

# WESTERN HEMISPHERE PAYMENTS AND SECURITIES SETTLEMENT FORUM



**Statistics on Payment, Clearing and Settlement Systems in Latin American  
and the Caribbean Region**

**Yellow Book Statistics**

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## ***INTRODUCTION***

This publication provides data on payment, clearing, settlement systems and financial sector for Latin American and Caribbean countries, also known as Yellow Book Statistics.

The Yellow Book Statistics are developed within the framework of the Western Hemisphere Payments and Securities Settlement Forum (WHF). The World Bank and the Center for Latin American Monetary Studies (CEMLA) lead this Forum, whose main objective is to provide permanent support to central banks and other relevant financial authorities in strengthening financial market infrastructures, thereby supporting financial stability and the overall economy of Latin America and the Caribbean

Yellow Book Statistics was prepared by the WHF Secretariat and benefited from the guidance of the International Advisory Council, especially from the Committee on Payments and Market Infrastructures (CPMI) of the Bank for International Settlements (BIS).

The Yellow Book Statistics comprise two series. Series "A" are statistics on payments and securities clearing and settlement for each country. Series "B" are more general statistics related to the financial sector. Series A is organized in two items, namely Country Tables and Comparative Tables.

This document presents the Comparative Tables of the Yellow Book Statistics. For a time span of 2012-2017. These Statistics are a complement of the public country reports, the Yellow Books. Country tables are separately presented and are available at <http://forodepagos.org/>.

Any communication related to the data contained in the Yellow Book Statistics can be directed to the WHF Secretariat ([mmorales@cemla.org](mailto:mmorales@cemla.org)).

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### **GENERAL CONVENTIONS**

For the use of the Yellow Book Statistics, it must be considered the following conventions and definitions:

1. Definitions: refer to the Methodology for Yellow Book Statistics (April, 2015). For concepts not explicitly defined, reference should be made to the document "[A glossary of terms used in payment and settlement systems](#)" of the CPMI.
2. Abbreviations: refer to Country Tables database.
3. Volume of transactions: means number of transactions.
4. Value of transactions: means the amount of transactions.
5. Where data are not available, this is indicated by "nav".
6. Where data are not applicable, this is indicated by "nap".
7. Where data are very small relative to other relevant data in the table concerned, this is reported as "neg".
8. Where data mean exactly zero, this is indicated by "0".
9. Exceptions to these conventions are indicated in each table, as footnotes.

**Table 1**  
**Basic statistical data**

	GDP (USD millions) <sup>(1)</sup>						Population (millions)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	579,654,460	611,067,017	563,878,249	642,780,214	554,800,287	637,962,554	41.791	42.261	42.727	43.189	43.647	44.100
Brazil	3,446,968,194	3,212,826,890	2,962,710,170	2,015,434,382	1,864,877,280	2,054,797,262	199,498	201,033	202,769	204,451	206,081	207,661
Chile	266,971,238	278,540,511	260,740,577	243,952,897	250,082,469	276,864,722	17,445	17,632	17,819	18,006	18,192	18,374
Colombia	370,299,494	381,843,173	381,321,851	292,991,367	282,921,118	314,476,505	46,582	47,121	47,662	48,203	48,748	49,292
Costa Rica	42,963,789	47,313,215	46,728,628	51,524,106	54,379,827	54,807,648	4,652	4,713	4,773	4,832	4,890	4,947
Dominican Republic	60,742,885	62,720,826	66,152,280	68,890,884	72,483,915	76,167,278	9,681	9,785	9,883	9,980	10,075	10,169
Ecuador	87,924,544	95,129,659	101,726,331	99,290,381	98,613,972	103,056,619	15,521	15,775	16,027	16,279	16,529	16,777
Guatemala	50,328,069	53,767,658	58,640,418	63,649,524	68,536,495	75,454,756	15,073	15,438	15,807	16,176	16,548	16,924
Jamaica	14,752,809	14,190,724	13,854,447	14,133,397	14,048,266	14,738,876	2,711	2,718	2,723	2,729	2,732	2,732
Paraguay	24,596,695	29,051,125	30,789,339	27,061,562	27,390,360	29,534,255	6,461	6,559	6,657	6,756	6,855	6,954
Peru	73,384,753	75,090,029	71,557,944	60,403,818	57,984,644	66,037,416	30,136	30,475	30,814	31,152	31,489	31,826
Trinidad and Tobago	25,728,264	26,690,671	27,302,838	24,493,658	22,389,972	22,162,627	1,335	1,341	1,345	1,350	1,354	1,357

**Table 1 (cont)**

	GDP per capita (USD) <sup>(1)</sup>						CPI inflation (%)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	13,870.318	14,459.360	13,197.235	14,882.961	12,706.493	14,466.271	23.0	25.9	42.7	26.6	38.9	23.4
Brazil	17,278.209	15,981.590	14,611.258	9,857.787	9,049.244	9,894.963	5.8	5.9	6.4	10.7	6.3	2.9
Chile	15,303.651	15,798.133	14,633.182	13,548.358	13,746.387	15,067.867	3.0	1.8	4.7	4.3	3.8	2.2
Colombia	7,949	8,103	8,001	6,078	5,804	6,380	0.0	0.0	0.0	0.0	0.1	0.0
Costa Rica	9,234.657	10,038.525	9,789.957	10,662.601	11,119.773	11,077.890	4.5	5.2	4.5	0.8	0.0	1.6
Dominican Republic	6,274.467	6,410.105	6,693.213	6,902.726	7,194.401	7,490.018	3.9	3.9	1.6	2.3	1.7	4.2
Ecuador	5,664.886	6,030.502	6,382.310	6,153.804	5,917.104	6,142,741	4.2	2.7	3.7	3.4	1.1	-0.2
Guatemala	3,338.872	3,482.726	3,709.851	3,934.780	4,141.636	4,458.397	3.8	4.3	3.4	2.4	4.5	4.4
Jamaica	5,450.444	5,229.306	5,091.642	5,187.311	5,148.873	5,394.903	8.0	9.7	6.4	3.7	1.7	5.2
Paraguay	3,806.925	4,429.182	4,624.946	4,005.704	3,995.947	4,247.305	4.0	3.7	4.2	3.1	3.9	4.5
Peru	2,435.129	2,463.976	2,322.241	1,939.025	1,841.447	2,074.951	2.6	2.9	3.2	4.4	3.2	1.4
Trinidad and Tobago	19,269.308	19,910.135	20,294.334	18,147.927	16,537.451	16,336.494	9.3	5.2	5.7	4.7	3.1	1.9

**Table 1 (cont)**

	Exchange rate vis-a-vis USD (end of year)							Exchange rate vis-a-vis USD (average)						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017		
Argentina	4.92	6.52	8.55	13.01	15.85	18.77	4.55	5.48	8.12	9.26	14.77	16.55		
Brazil	2.04	2.34	2.66	3.90	3.26	3.31	1.96	2.16	2.35	3.34	3.48	3.19		
Chile	478.60	523.76	607.38	707.34	667.29	615.22	486.75	495.00	570.01	654.25	676.83	649.33		
Colombia	1,768.23	1,926.83	2,392.46	3,149.47	3,000.71	2,984.00	1,798.23	1,868.90	2,000.68	2,746.47	3,053.42	2,951.15		
Costa Rica	502.07	495.01	533.31	531.94	548.18	562.91	497.41	493.97	532.03	528.43	538.46	566.42		
Dominican Republic	40.26	42.67	44.20	45.47	46.62	48.19	39.28	41.77	43.50	44.99	45.99	47.44		
Ecuador	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap		
Guatemala	7.90	7.84	7.60	7.63	7.52	7.35	7.84	7.87	7.74	7.67	7.61	7.36		
Jamaica	92.80	106.40	114.70	120.42	128.44	125.00	89.00	100.80	111.30	117.31	125.14	128.36		
Paraguay	4,224.00	4,585.00	4,629.00	5,806.92	5,766.93	5,590.47	4,424.67	4,308.00	4,475.50	5,247.42	5,677.52	5,614.25		
Peru	2.55	2.80	2.99	3.41	3.36	3.24	2.64	2.70	2.84	3.18	3.38	3.26		
Trinidad and Tobago	6.38	6.44	6.36	6.42	6.75	6.76	6.40	6.42	6.38	6.35	6.64	6.75		

Notes:  
Please refer to the individual country tables for a detailed explanation.  
<sup>(1)</sup> Converted at yearly average exchange rates.

**Table 2**  
**Banknotes and coin in circulation**  
(end of year)

	Total value (USD millions) <sup>(1)</sup>						Value per inhabitant (USD)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	48,199.124	44,370.715	41,949.491	36,814.811	37,514.701	41,903.909	1,153.337	1,049.921	981.803	852.412	859.502	950.202
Brazil	91,722.406	87,227.700	83,254.609	57,745.642	71,229.969	65,214.585	459.766	433.897	410.588	282.442	345.641	314.044
Chile	12,944.249	13,207.590	12,476.663	11,900.491	12,965.624	14,580.612	742.012	749.087	700.187	660.903	712.715	793.549
Colombia	24,845.876	25,497.988	23,580.062	21,206.804	23,183.036	24,941.861	533.381	541.116	494.737	439.944	475.572	506.006
Costa Rica	1,675.249	1,854.058	1,846.638	2,017.229	2,025.162	2,125.751	360.079	393.379	386.883	417.453	414.112	429.663
Dominican Republic	2,148.678	2,196.948	2,368.806	2,453.113	2,531.600	2,771.026	221.949	224.529	239.673	245.797	251.274	272.493
Ecuador	7,237.507	8,297.870	10,661.298	12,907.444	14,629.479	16,388.617	466.305	526.022	665.189	792.897	885.094	976.852
Guatemala	3,360.177	3,460.054	3,838.936	4,364.268	4,716.002	5,421.909	222.921	224.120	242.868	269.797	284.986	320.364
Jamaica	697.027	656.031	653.331	700.006	765.120	887.362	257.066	241.378	239.909	256.516	279.956	324.803
Paraguay	2,037.450	2,125.180	2,293.191	1,880.520	1,986.635	2,317.096	315.344	324.008	344.466	278.358	289.828	333.220
Peru	14,832.208	15,215.917	15,926.730	14,334.645	15,212.949	17,050.413	492.178	499.289	516.864	460.157	483.125	535.738
Trinidad and Tobago	1,041.818	1,152.767	1,313.351	1,416.347	1,388.307	1,393.061	780.275	859.916	976.220	1,049.404	1,025.417	1,026.852

**Table 2 (cont)**

	Value as percentage of GDP						Value as percentage of narrow money					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	8.3	7.3	7.4	5.7	6.8	6.6	59.6	58.2	56.0	59.5	57.5	63.3
Brazil	2.7	2.7	2.8	2.9	3.8	3.2	57.7	59.3	62.9	67.4	66.7	59.1
Chile	4.8	4.7	4.8	4.9	5.2	5.3	30.1	30.4	29.3	28.6	28.5	26.7
Colombia	6.7	6.7	6.2	7.2	8.2	7.9	59.6	57.2	60.0	64.7	68.3	68.7
Costa Rica	3.9	3.9	4.0	3.9	3.7	3.9	21.8	21.1	20.8	19.5	18.4	19.9
Dominican Republic	3.5	3.5	3.6	3.6	3.5	3.6	44.9	42.0	43.0	40.8	38.9	39.2
Ecuador	8.2	8.7	10.5	13.0	14.8	15.9	49.9	51.0	57.0	67.8	64.6	66.8
Guatemala	6.7	6.4	6.5	6.9	6.9	7.2	43.6	43.1	43.2	44.4	44.6	51.4
Jamaica	4.7	4.6	4.7	5.0	5.4	6.0	48.5	46.9	45.4	43.0	40.2	47.5
Paraguay	8.3	7.3	7.4	6.9	7.3	7.8	48.5	47.9	47.7	47.4	46.1	44.6
Peru	20.2	20.3	22.3	23.7	26.2	25.8	66.1	68.3	69.5	68.5	69.2	67.6
Trinidad and Tobago	4.0	4.3	4.8	5.8	6.2	6.3	11.0	11.0	10.8	11.9	12.0	12.3

Notes:

Please refer to the individual country tables for a detailed explanation.

<sup>(1)</sup> Converted at end of year exchange rates.

**Table 3**  
**Transferable deposits held by banks**  
(end of year)

	Transferable balances held at the central bank													
	Total value (USD millions) <sup>(1)</sup>							Value as percentage of GDP						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017		
Argentina	22,771,440	24,153,728	20,212,114	34,124,898	29,868,961	24,237,731	3.9	4.0	3.6	5.3	5.4	3.8		
Brazil	27,011,151	20,138,318	17,535,443	9,705,739	12,798,670	13,321,907	0.8	0.6	0.6	0.5	0.7	0.6		
Chile	14,537,327	11,986,577	10,758,669	9,948,141	10,075,202	8,489,232	5.4	4.3	4.1	4.1	4.0	3.1		
Colombia	11,798,825	12,682,336	10,422,710	9,218,348	9,449,985	9,739,084	3.2	3.3	2.7	3.1	3.3	3.1		
Costa Rica	4,476,613	4,140,247	4,053,721	4,622,794	5,351,384	5,252,107	10.4	8.8	8.7	9.0	9.8	9.6		
Dominican Republic	1,848,201	2,155,001	1,686,823	2,111,121	2,308,191	2,068,164	3.0	3.4	2.5	3.1	3.2	2.7		
Ecuador	8,755,369	13,141,296	11,068,429	5,549,402	10,302,904	7,695,528	10.0	13.8	10.9	5.6	10.4	7.5		
Guatemala	3,109,132	3,460,566	3,644,629	3,706,971	5,224,127	6,283,865	6.2	6.4	6.2	5.8	7.6	8.3		
Jamaica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Paraguay	3,162,813	3,830,986	4,087,601	3,465,089	4,321,616	5,116,504	12.9	13.2	13.3	12.8	15.8	17.3		
Peru	17,176,494	17,997,051	14,133,005	12,161,741	10,766,268	10,867,290	23.4	24.0	19.8	20.1	18.6	16.5		
Trinidad and Tobago	2,330,489	2,901,053	3,029,436	2,796,875	2,337,237	2,307,774	9.1	10.9	11.1	11.4	10.4	10.4		

**Table 3 (cont)**

	Transferable balances held at other banks													
	Total value (USD millions) <sup>(1)</sup>							Value as percentage of GDP						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017		
Argentina	86,861	73,506	68,957	38,347	52,502	47,835	0.01	0.01	0.01	0.01	0.01	0.01		
Brazil	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Chile	68,425	50,236	73,033	96,259	26,995	46,061	0.03	0.02	0.03	0.04	0.01	0.02		
Colombia	23,715	40,994	30,753	20,288	29,494	23,937	0.01	0.01	0.01	0.01	0.01	0.01		
Costa Rica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Jamaica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Paraguay	8,781,192	10,013,751	11,352,355	10,528,543	11,120,972	12,414,634	35.70	34.47	36.87	38.91	40.60	42.03		
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Trinidad and Tobago	1,438	5,318	3,277	1,612	4,425	3,784	0.01	0.02	0.01	0.01	0.02	0.02		

Notes:  
Please refer to the individual country tables for a detailed explanation.  
<sup>(1)</sup> Converted at end of year exchange rates.



**Table 4**  
**Institutions offering payment services to non-banks**  
(end of year)

	Number of institutions													
	Total number							Number per million inhabitants						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017		
Argentina	81	82	81	78	84	83	1.94	1.94	1.90	1.81	1.92	1.88		
Brazil	109,081	114,757	109,013	103,395	91,254	97,824	546.78	570.84	537.62	505.72	442.81	471.08		
Chile	23	22	22	23	23	20	1.32	1.25	1.23	1.28	1.26	1.09		
Colombia	56	57	53	52	51	50	1.20	1.21	1.11	1.08	1.05	1.01		
Costa Rica	54	52	51	52	53	49	11.61	11.03	10.68	10.76	10.84	9.90		
Dominican Republic	67	66	64	64	59	58	6.92	6.75	6.48	6.41	5.86	5.70		
Ecuador	81	81	86	93	94	93	5.22	5.13	5.37	5.71	5.69	5.54		
Guatemala	18	18	18	17	18	18	1.19	1.17	1.14	1.05	1.09	1.06		
Jamaica	56	50	48	45	43	39	20.65	18.40	17.63	16.49	15.73	14.28		
Paraguay	31	29	30	28	28	28	4.80	4.42	4.51	4.14	4.08	4.03		
Peru	16	16	17	17	16	16	0.53	0.53	0.55	0.55	0.51	0.50		
Trinidad and Tobago	10	10	10	10	10	10	7.49	7.46	7.43	7.41	7.39	7.37		

**Tabla 4 (cont)**

	Number of branches or offices													
	Total number							Number per million inhabitants						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017		
Argentina	4,281	4,340	4,418	4,543	4,550	5,389	102	103	103	105	104	122		
Brazil	180,517	181,007	175,982	170,167	158,509	164,566	905	900	868	832	769	792		
Chile	2,344	2,357	2,362	2,295	2,280	2,186	134	134	133	127	125	119		
Colombia	5,973	6,277	6,258	6,460	6,472	6,391	128	133	131	134	133	130		
Costa Rica	1,142	1,145	1,161	1,185	1,173	1,150	245	243	243	245	240	232		
Dominican Republic	801	910	923	1,055	1,067	1,071	83	93	93	106	106	105		
Ecuador	281	305	346	421	1,743	2254	18	19	22	26	105	134		
Guatemala	3,271	3,395	3,474	3,564	3,558	3,572	217	220	220	220	215	211		
Jamaica	242	243	234	238	241	236	89	89	86	87	88	86		
Paraguay	563	596	638	660	659	645	87	91	96	98	96	93		
Peru	1,734	1,792	1,879	2,144	2,128	2,076	58	59	61	69	68	65		
Trinidad and Tobago	127	126	135	131	134	127	95	94	100	97	99	94		

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 5**  
**Transferable deposits held by non-banks**  
(end of year)

	Number of deposit accounts													
	Total number of accounts (thousands)							Number of accounts per inhabitant						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017		
Argentina	32,717	35,634	38,457	58,240	67,303	76,154	0.783	0.843	0.900	1.348	1.542	1.727		
Brazil	162,881	172,855	nav	nav	nav	nav	0.816	0.860	nav	nav	nav	nav		
Chile	3,063	3,291	3,533	3,811	4,086	4,342	0.176	0.187	0.198	0.212	0.225	0.236		
Colombia	46,039	48,982	53,440	57,539	58,117	64,313	0.988	1.039	1.121	1.194	1.192	1.305		
Costa Rica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Dominican Republic	3,214	3,367	3,321	3,488	3,456	3,321	0.332	0.344	0.336	0.349	0.343	0.327		
Ecuador	7,883	8,567	9,808	10,500	10,854	11,991	0.508	0.543	0.612	0.645	0.657	0.715		
Guatemala	3,739	3,971	4,143	4,273	4,215	4,104	0.248	0.257	0.262	0.264	0.255	0.243		
Jamaica	2,227	2,336	2,456	2,693	2,718	500	0.821	0.859	0.902	0.987	0.994	0.183		
Paraguay	874	1,000	1,132	1,245	1,352	1,637	0.135	0.153	0.170	0.184	0.197	0.235		
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Trinidad and Tobago	147	206	200	214	223	219	0.110	0.154	0.148	0.159	0.165	0.161		

**Table 5 (cont)**

	Value of deposit accounts													
	Total value (USD thousand millions) <sup>(1)</sup>							Value per inhabitant (USD)						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017		
Argentina	0.046	0.043	0.044	0.040	0.051	0.063	1.104	1.024	1.038	0.928	1.158	1.436		
Brazil	89,998	81,501	69,722	41,488	52,486	54,392	451,120	405,411	343,848	202,923	254,686	261,929		
Chile	32,555	33,384	32,647	30,736	34,446	40,684	1,866,163	1,893,433	1,832,143	1,706,971	1,893,507	2,214,213		
Colombia	82,727	89,524	77,628	65,091	67,068	72,525	1,775,948	1,899,880	1,628,736	1,350,343	1,375,820	1,471,337		
Costa Rica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Dominican Republic	88,574	95,037	94,840	97,641	105,503	106,284	9,149,337	9,712,831	9,595,778	9,783,435	10,471,684	10,451,617		
Ecuador	0.004	0.001	0.075	0.369	neg	0.930	0.270	0.081	4,654	22,684	nav	55,451		
Guatemala	6,016	6,209	6,713	7,073	7,695	8,588	399,127	402,198	424,722	437,240	465,032	507,440		
Jamaica	3,269	3,184	3,195	3,857	3,806	4,022	1,205,467	1,171,531	1,173,078	1,340,045	1,392,558	1,472,084		
Paraguay	10,737	12,263	14,005	12,896	13,623	15,045	1,661,763	1,869,682	2,103,790	1,908,876	1,987,500	2,163,680		
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Trinidad and Tobago	6,225	6,528	7,475	6,780	6,484	6,425	4,661,988	4,869,361	5,556,425	5,023,681	4,788,911	4,735,920		

**Table 5 (cont)**

	Value of deposit accounts as a percentage of GDP						
	2012	2013	2014	2015	2016	2017	
Argentina	neg	neg	neg	neg	neg	neg	
Brazil	0.026	0.025	0.024	0.021	0.028	0.026	
Chile	0.122	0.120	0.125	0.126	0.138	0.147	
Colombia	0.223	0.234	0.204	0.222	0.237	0.231	
Costa Rica	nav	nav	nav	nav	nav	nav	
Dominican Republic	1.458	1.515	1.434	1.417	1.456	1.395	
Ecuador	0.000	0.000	0.001	0.004	neg	0.009	
Guatemala	0.120	0.115	0.114	0.111	0.112	0.114	
Jamaica	0.222	0.224	0.231	0.259	0.271	0.273	
Paraguay	0.437	0.422	0.455	0.477	0.497	0.509	
Peru	nav	nav	nav	nav	nav	nav	
Trinidad and Tobago	0.242	0.245	0.274	0.277	0.290	0.290	

Notes:  
Please refer to the individual country tables for a detailed explanation.  
<sup>(1)</sup> Converted at end of year exchange rates.

**Table 6**  
**Payment transactions by non-banks: total number of transactions**  
(summed through the year)

	Total number of transactions (thousands)						Increase in the number of transactions (%)						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina	1,127,107.884	1,230,436.193	1,384,955.519	1,547,811.833	1,844,625.606	2,057,668.751			9.2	12.6	11.8	19.2	11.6
Brazil	23,168,905.810	25,591,515.794	27,702,539.003	28,362,801.592	28,949,447.399	31,043,998.826			10.5	8.2	2.4	2.1	7.2
Chile	698,974.631	799,121.266	940,700.004	1,123,471.690	1,302,875.780	1,507,241.816			14.3	17.7	19.4	16.0	15.7
Colombia	464,003.145	517,635.816	567,844.404	617,710.586	695,826.508	767,950.511			11.6	9.7	8.8	12.6	10.4
Costa Rica	239,253.332	257,866.050	304,278.991	433,689.894	501,742.778	547,699.672			7.8	18.0	42.5	15.7	9.2
Dominican Republic	260,190.268	284,537.261	319,924.258	361,680.027	403,770.867	468,292.251			9.4	12.4	13.1	11.6	16.0
Ecuador	81,258.139	85,153.309	86,657.693	242,584.936	254,789.219	293,420.348			4.8	1.8	179.9	5.0	15.2
Guatemala	143.888	143.881	171.206	190.111	225.307	272.914			0.0	19.0	11.0	18.5	21.1
Jamaica	90,581.364	95,414.043	99,432.517	103,585.890	114,945.442	120,281.470			5.3	4.2	4.2	11.0	4.6
Paraguay	39,232.977	44,512.391	47,648.911	51,144.466	55,874.985	64,986.618			nav	nav	nav	nav	nav
Peru	nav	466,101.441	516,545.946	556,630.657	618,019.574	653,725.720			nav	10.8	7.8	11.0	5.8
Trinidad and Tobago	63,122.650	65,782.048	66,275.734	70,005.372	75,351.964	76,166.656			4.2	0.8	5.6	7.6	1.1

**Table 6 (cont)**

	Number per inhabitant						Number per deposit account held by non-banks					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	26.970	29.115	32.414	35.838	42.260	46.659	34.450	34.530	36.013	26.577	27.406	27.020
Brazil	116.136	127.300	136.621	138.727	140.476	149.494	142.244	148.052	nav	nav	nav	nav
Chile	40.068	45.323	52.792	62.393	71.619	82.032	228.191	242.812	266.273	294.825	318.852	347.145
Colombia	9.961	10.985	11.914	12.815	14.274	15.580	10.079	10.568	10.626	10.736	11.973	11.941
Costa Rica	51.425	54.712	63.748	89.749	102.598	110.703	nav	nav	nav	nav	nav	nav
Dominican Republic	26.876	29.080	32.370	36.240	40.076	46.050	80.947	84.517	96.334	103.694	116.835	140.991
Ecuador	5.235	5.398	5.407	14.902	15.415	17.489	10.308	9.940	8.835	23.104	23.474	24.469
Guatemala	0.010	0.009	0.011	0.012	0.014	0.016	0.038	0.036	0.041	0.044	0.053	0.066
Jamaica	33.407	35.106	36.512	37.959	42.058	44.027	40.672	40.851	40.479	38.460	42.291	240.439
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	15.294	16.763	17.868	19.627	20.541	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	47.276	49.071	49.263	51.869	55.656	56.144	429.748	319.223	331.756	326.675	337.148	348.100

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 7**  
**Use of payment instruments by non-banks: number of transactions per payment instrument**  
(thousands, total for the year)

	Credit transfers						Direct debits					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	88,432.257	101,470.665	122,898.279	142,622.856	171,446.423	212,126.800	35,728.821	38,887.239	42,767.791	46,792.080	52,718.481	64,589.765
Brazil	9,009,499.807	9,560,768.121	9,966,374.458	10,048,672.326	9,943,252.687	10,495,663.684	4,239,271.986	4,953,403.605	5,557,064.681	5,427,004.403	5,335,713.865	5,359,119.817
Chile	74,369.129	82,437.383	93,402.748	110,164.000	121,600.000	131,999.000	nav	nav	nav	nav	nav	nav
Colombia	121,624.530	130,884.798	141,213.483	152,112.437	162,010.943	175,906.858	3,868.186	4,890.186	6,171.013	6,632.463	8,154.998	10,345.938
Costa Rica	16,227.929	19,904.865	22,838.452	77,708.129	86,845.335	117,803.849	5,666.756	9,391.358	14,616.853	45,835.082	52,545.074	32,973.781
Dominican Republic	48,132.624	52,965.699	57,944.794	63,936.912	68,912.880	78,362.846	108,254.897	117,595.992	124,594.058	135,323.072	151,448.227	179,975.907
Ecuador	38,561.655	43,932.837	47,427.338	51,330.055	57,165.810	62,469.368	nav	nav	nav	nav	nav	nav
Guatemala	62.917	68.001	73.820	76.134	83.753	90.595	nav	nav	nav	nav	nav	nav
Jamaica	969.350	1,405.706	1,785.127	2,088.186	2,723.433	3,258.217	443.599	461.650	456.187	442.963	506.178	516.648
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	195,839.470	214,087.647	225,714.459	237,575.213	252,681.009	nav	27,662.559	26,426.685	24,568.379	24,831.894	19,069.216
Trinidad and Tobago	3,280.890	3,495.712	3,724.989	3,930.863	4,054.679	4,203.475	158.195	164.581	199.392	225.267	250.661	268.839

**Table 7 (cont)**

	Cheques						e-money payment transactions					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	93,591.344	93,688.476	91,361.765	89,050.089	86,306.275	85,421.087	nav	nav	nav	nav	31,169.278	65,049.589
Brazil	1,430,691.255	1,296,976.052	1,164,815.814	1,039,674.359	864,066.508	730,991.890	36,036.312	38,283.353	27,775.268	24,366.682	23,400.186	22,453.039
Chile	188,704.156	179,267.338	167,149.151	153,973.603	140,651.859	122,868.970	nav	nav	nav	nav	nav	nav
Colombia	29,489.131	26,166.386	23,853.920	20,900.000	18,093.721	13,472.000	nav	nav	nav	nav	nav	nav
Costa Rica	5,160.732	4,660.440	4,336.609	4,170.753	3,598.363	2,781.104	nav	nav	nav	nav	nav	nav
Dominican Republic	25,557.603	25,141.515	24,708.901	24,925.195	24,489.611	23,327.109	nav	nav	nav	nav	nav	nav
Ecuador	42,696.484	41,220.472	39,230.355	35,272.517	31,428.603	31,233.322	nav	nav	nav	3,400	71.930	160.998
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	19,251.523	18,734.491	16,769.408	15,003.231	14,720.453	13,811.218	nav	nav	nav	nav	nav	nav
Paraguay	11,836.948	11,671.796	11,531.554	11,108.793	10,650.847	10,367.758	nav	nav	nav	nav	nav	nav
Peru	nav	44,345.995	41,252.624	36,708.244	33,748.846	29,553.889	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	13,005.656	13,287.567	12,888.464	12,218.430	11,650.348	11,038.596	2,896.781	3,508.288	3,944.300	4,309.507	4,651.043	4,632.918

Table 7 (cont)

	Card payments						of which: by cards with a debit function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	909,355.462	996,389.813	1,127,927.684	1,269,346.808	1,502,885.149	1,630,481.510	420,625.547	470,508.893	515,806.525	587,263.891	682,858.466	749,422.726
Brazil	8,453,406.450	9,742,084.663	10,986,508.782	11,823,083.822	12,783,014.153	14,435,770.396	4,133,461.014	4,910,894.806	5,631,919.111	6,211,147.766	6,838,684.318	7,935,826.692
Chile	435,901.346	537,416.545	680,148.105	859,334.087	1,040,623.921	1,252,373.846	313,534.766	392,162.191	485,197.262	615,469.260	739,686.579	898,598.077
Colombia	309,021.298	355,694.446	396,605.988	438,065.686	507,566.846	568,225.715	156,385.710	186,549.524	215,892.088	241,108.779	272,156.220	306,560.395
Costa Rica	199,079.436	213,882.956	253,361.645	298,166.219	351,290.188	389,608.443	124,207.331	133,568.600	163,877.228	198,912.605	243,800.054	244,643.904
Dominican Republic	78,245.144	88,834.055	112,676.505	137,494.848	158,920.149	186,626.389	21,371.298	25,126.974	32,675.110	41,804.283	48,254.297	60,307.169
Ecuador	nav	nav	nav	155,978.964	166,122.876	199,556.660	nav	nav	nav	23,701.365	30,334.004	37,474.751
Guatemala	80.971	75.880	97.386	113.977	141.554	182.319	79.616	73.994	95.542	112.524	140.098	180.069
Jamaica	69,916.892	74,812.196	80,421.795	86,051.510	96,995.378	102,695.387	55,463.821	58,389.256	63,463.648	71,374.776	81,171.076	85,193.039
Paraguay	27,396.029	32,840.595	36,117.357	40,035.673	45,224.138	54,618.860	7,935.180	11,852.201	13,439.519	16,128.559	20,559.545	27,520.287
Peru	nav	198,253.417	234,778.990	269,639.575	321,863.621	352,421.606	nav	95,641.889	121,047.045	141,210.001	166,839.418	185,259.079
Trinidad and Tobago	43,781.128	45,325.900	45,518.589	49,321.305	54,745.233	56,022.828	30,921.116	32,264.376	31,955.675	34,680.847	37,992.624	38,508.468

Table 7 (cont)

	by cards with a delayed debit function						by cards with a credit function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	nav	nav	nav	nav	nav	nav	488,729.915	525,880.920	612,121.159	682,082.917	820,026.683	881,058.784
Brazil	nav	nav	nav	nav	nav	nav	4,319,945.436	4,831,189.857	5,354,589.671	5,611,936.056	5,944,329.835	6,499,943.704
Chile	nav	nav	nav	nav	nav	nav	122,366.580	145,254.354	194,950.843	243,864.827	300,937.342	353,775.769
Colombia	nav	nav	nav	nav	nav	nav	152,635.589	169,144.922	180,713.900	196,956.907	235,410.626	261,665.320
Costa Rica	nav	nav	nav	nav	nav	nav	74,872.105	80,314.356	89,484.417	99,253.614	107,490.134	144,964.539
Dominican Republic	nav	nav	nav	nav	nav	nav	56,873.846	63,707.081	78,803.061	95,122.530	109,637.803	124,786.247
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	132,277.599	135,788.872	162,081.909
Guatemala	nav	nav	nav	nav	nav	nav	1.355	1.886	1.844	1.453	1.456	2.250
Jamaica	nav	nav	nav	nav	nav	nav	14,453.071	16,422.940	16,958.147	14,676.734	15,824.302	17,502.348
Paraguay	nav	nav	nav	nav	nav	nav	19,460.849	20,988.394	22,677.838	23,907.114	24,664.593	27,098.573
Peru	nav	nav	nav	nav	nav	nav	nav	102,611.528	113,731.945	128,429.574	155,024.203	167,162.527
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	12,860.012	13,061.524	13,562.914	14,640.458	16,752.609	17,514.360

Notes:

Please refer to the individual country tables for a detailed explanation.

**Table 7a**  
**Use of payment instruments by non-banks: relative importance of payment instruments, in number of transactions**  
(% of total number of transactions)

	Credit transfers							Direct debits						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	7.846	8.247	8.874	9.214	9.295	10.309		3.170	3.160	3.088	3.023	2.858	3.139	
Brazil	38.886	37.359	35.976	35.429	34.347	33.809		18.297	19.356	20.060	19.134	18.431	17.263	
Chile	10.640	10.316	9.929	9.806	9.333	8.758		nap	nap	nap	nap	nap	nap	
Colombia	26.212	25.285	24.868	24.625	23.283	22.906		0.834	0.945	1.087	1.074	1.172	1.347	
Costa Rica	6.783	7.719	7.506	17.918	17.309	21.509		2.369	3.642	4.804	10.569	10.473	6.020	
Dominican Republic	18.499	18.615	18.112	17.678	17.067	16.734		41.606	41.329	38.945	37.415	37.508	38.432	
Ecuador	47.456	51.593	54.730	21.160	22.437	21.290		nap	nap	nap	nap	nap	nap	
Guatemala	43.726	47.262	43.118	40.047	37.173	33.195		nav	nav	nav	nav	nav	nav	
Jamaica	1.070	1.473	1.795	2.016	2.369	2.709		0.490	0.484	0.459	0.428	0.440	0.430	
Paraguay	nav	nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav	
Peru	nav	42.016	41.446	40.550	38.441	38.652		nav	5.935	5.116	4.414	4.018	2.917	
Trinidad and Tobago	5.198	5.314	5.620	5.615	5.381	5.519		0.251	0.250	0.301	0.322	0.333	0.353	

**Table 7a (cont)**

	Cheques						e-money payment transactions						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina	8.304	7.614	6.597	5.753	4.679	4.151		nav	nav	nav	nav	1.690	3.161
Brazil	6.175	5.068	4.205	3.666	2.985	2.355		0.156	0.150	0.100	0.086	0.081	0.072
Chile	26.997	22.433	17.769	13.705	10.795	8.152		nap	nap	nap	nap	nap	nap
Colombia	6.355	5.055	4.201	3.383	2.600	1.754		nav	nav	nav	nav	nav	nav
Costa Rica	2.157	1.807	1.425	0.962	0.717	0.508		nap	nap	nap	nap	nap	nap
Dominican Republic	9.823	8.836	7.723	6.892	6.065	4.981		nap	nap	nap	nap	nap	nap
Ecuador	52.544	48.407	45.270	14.540	12.335	10.645		nap	nap	nap	0.001	0.028	0.055
Guatemala	nav	nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav
Jamaica	21.253	19.635	16.865	14.484	12.806	11.482		nav	nav	nav	nav	nav	nav
Paraguay	30.171	26.221	24.201	21.720	19.062	15.954		nav	nav	nav	nav	nav	nav
Peru	nav	9.514	7.986	6.595	5.461	4.521		nav	nav	nav	nav	nav	nav
Trinidad and Tobago	20.604	20.199	19.447	17.454	15.461	14.493		4.589	5.333	5.951	6.156	6.172	6.083

**Table 7a (cont)**

	Card payments						of which; by cards with a debit function						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina	80.680	80.979	81.441	82.009	81.478	79.239		37.319	38.239	37.244	37.942	37.021	36.421
Brazil	36.486	38.068	39.659	41.685	44.156	46.501		17.841	19.190	20.330	21.899	23.623	25.563
Chile	62.363	67.251	72.302	76.489	79.871	83.090		44.856	49.074	51.578	54.783	56.773	59.619
Colombia	66.599	68.715	69.844	70.918	72.944	73.992		33.704	36.039	38.020	39.033	39.113	39.919
Costa Rica	83.209	82.943	83.266	68.751	70.014	71.135		51.915	51.798	53.858	45.865	48.591	44.668
Dominican Republic	30.072	31.221	35.220	38.016	39.359	39.853		8.214	8.831	10.213	11.558	11.951	12.878
Ecuador	nav	nav	nav	64.299	65.200	68.011		nav	nav	nav	9.770	11.906	12.772
Guatemala	56.274	52.738	56.882	59.953	62.827	66.805		55.332	51.427	55.805	59.189	62.181	65.980
Jamaica	77.187	78.408	80.881	83.073	84.384	85.379		61.231	61.196	63.826	68.904	70.617	70.828
Paraguay	69.829	73.779	75.799	78.280	80.938	84.046		20.226	26.627	28.205	31.535	36.796	42.348
Peru	nav	42.534	45.452	48.441	52.080	53.910		nav	20.520	23.434	25.369	26.996	28.339
Trinidad and Tobago	69.359	68.903	68.681	70.454	72.653	73.553		48.986	49.047	48.216	49.540	50.420	50.558

Table 7a (cont)

	<i>of which; by cards with a delayed debit function</i>							<i>of which; by cards with a credit function</i>						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	nap	nap	nap	nap	nap	nap		43.361	42.739	44.198	44.068	44.457	42.818	
Brazil	nav	nav	nav	nav	nav	nav		18.645	18.878	19.329	19.786	20.533	20.938	
Chile	nap	nap	nap	nap	nap	nap		17.507	18.177	20.724	21.706	23.098	23.472	
Colombia	nav	nav	nav	nav	nav	nav		32.895	32.676	31.825	31.885	33.832	34.073	
Costa Rica	nap	nap	nap	nap	nap	nap		31.294	31.146	29.409	22.886	21.423	26.468	
Dominican Republic	nap	nap	nap	nap	nap	nap		21.859	22.390	24.632	26.300	27.153	26.647	
Ecuador	nap	nap	nap	nap	nap	nap			nav	nav	54.528	53.295	55.239	
Guatemala	nav	nav	nav	nav	nav	nav		0.942	1.311	1.077	0.764	0.646	0.824	
Jamaica	nap	nap	nap	nap	nap	nap		15.956	17.212	17.055	14.169	13.767	14.551	
Paraguay	nav	nav	nav	nav	nav	nav		49.603	47.152	47.594	46.744	44.142	41.699	
Peru	nap	nap	nap	nap	nap	nap			nav	22.015	22.018	23.073	25.084	
Trinidad and Tobago	nap	nap	nap	nap	nap	nap		20.373	19.856	20.464	20.913	22.232	22.995	

Notes:

Please refer to the individual country tables for a detailed explanation.

**Table 7b**  
**Use of payment instruments by non-banks: increase in the number of transactions**  
(% change on previous year)

	Credit transfers							Direct debits						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	14.744	21.117	16.050	20.210	23.728	8.840	9.979	9.410	12.665	22.518				
Brazil	6.119	4.242	0.826	-1.049	5.556	16.846	12.187	-2.340	-1.682	0.439				
Chile	10.849	13.301	17.945	10.381	8.552	nap	nap	nap	nap	nap				
Colombia	7.614	7.891	7.718	6.507	8.577	26.421	26.192	7.478	22.956	26.866				
Costa Rica	22.658	14.738	240.251	11.758	35.648	65.727	55.642	213.577	14.639	-37.247				
Dominican Republic	10.041	9.401	10.341	7.783	13.713	8.629	5.951	8.611	11.916	18.837				
Ecuador	13.929	7.954	8.229	11.369	9.277	nap	nap	nap	nap	nap				
Guatemala	8.080	8.557	3.135	10.007	8.169	nav	nav	nav	nav	nav				
Jamaica	45.015	26.991	16.977	30.421	19.636	4.069	-1.183	-2.899	14.271	2.068				
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav				
Peru	nav	9.318	5.431	5.255	6.358	nav	nav	-4.468	-7.032	1.073			-23.207	
Trinidad and Tobago	6.548	6.559	5.527	3.150	3.670	4.037	21.151	12.977	11.273	7.252				

**Table 7b (cont)**

	Cheques						e-money payment transactions					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		0.104	-2.483	-2.530	-3.081	-1.026		nav	nav	nav	nav	108.698
Brazil		-9.346	-10.190	-10.743	-16.891	-15.401		6.235	-27.448	-12.272	-3.966	-4.048
Chile		-5.001	-6.760	-7.883	-8.652	-12.643		nap	nap	nap	nap	nap
Colombia		-11.268	-8.838	-12.383	-13.427	-25.543		nav	nav	nav	nav	nav
Costa Rica		-9.694	-6.949	-3.825	-13.724	-22.712		nap	nap	nap	nap	nap
Dominican Republic		-1.628	-1.721	0.875	-1.748	-4.747		nap	nap	nap	nap	nap
Ecuador		-3.457	-4.828	-10.089	-10.898	-0.621		nap	nap	nap	2,015.588	123.826
Guatemala		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Jamaica		-2.686	-10.489	-10.532	-1.885	-6.177		nap	nap	nap	nap	nap
Paraguay		-1.395	-1.202	-3.666	-4.122	-2.658		nav	nav	nav	nav	nav
Peru		nav	-6.976	-11.016	-8.062	-12.430		nav	nav	nav	nav	nav
Trinidad and Tobago		2.168	-3.004	-5.199	-4.649	-5.251		21.110	12.428	9.259	7.925	-0.390

**Table 7b (cont)**

	Card payments						of which; by cards with a debit function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		9.571	13.201	12.538	18.398	8.490		11.859	9.627	13.854	16.278	9.748
Brazil		15.244	12.774	7.615	8.119	12.929		18.808	14.682	10.285	10.103	16.043
Chile		23.289	26.559	26.345	21.097	20.348		25.078	23.724	26.849	20.183	21.484
Colombia		15.104	11.502	10.454	15.865	11.951		19.288	15.729	11.680	12.877	12.641
Costa Rica		7.436	18.458	17.684	17.817	10.908		7.537	22.691	21.379	22.566	0.346
Dominican Republic		13.533	26.839	22.026	15.583	17.434		17.573	30.040	27.939	15.429	24.978
Ecuador		nav	nav	nav	6.503	20.126		nav	nav	nav	27.984	23.540
Guatemala		-6.287	28.342	17.036	24.195	28.798		-7.061	29.121	17.774	24.505	28.531
Jamaica		7.002	7.498	7.000	12.718	5.877		5.274	8.691	12.466	13.725	4.955
Paraguay		19.874	9.978	10.849	12.960	20.774		49.363	13.393	20.008	27.473	33.856
Peru		nav	18.424	14.848	19.368	9.494		nav	26.563	16.657	18.150	11.040
Trinidad and Tobago		3.528	0.425	8.354	10.997	2.334		4.344	-0.957	8.528	9.549	1.358



Table 7b (cont)

	<i>of which; by cards with a delayed debit function</i>						<i>of which; by cards with a credit function</i>					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		nav	nav	nav	nav	nav	7.602	16.399	11.429	20.224	7.443	
Brazil		nav	nav	nav	nav	nav	11.835	10.834	4.806	5.923	9.347	
Chile		nav	nav	nav	nav	nav	18.704	34.213	25.090	23.403	17.558	
Colombia		nav	nav	nav	nav	nav	10.816	6.840	8.988	19.524	11.153	
Costa Rica		nav	nav	nav	nav	nav	7.269	11.418	10.917	8.298	34.863	
Dominican Republic		nav	nav	nav	nav	nav	12.015	23.696	20.709	15.260	13.817	
Ecuador		nav	nav	nav	nav	nav		nav	nav	2.654	19.363	
Guatemala		nav	nav	nav	nav	nav	39.188	-2.227	-21.204	0.206	54.533	
Jamaica		nav	nav	nav	nav	nav	13.629	3.259	-13.453	7.819	10.604	
Paraguay		nav	nav	nav	nav	nav	7.849	8.049	5.421	3.168	9.868	
Peru		nav	nav	nav	nav	nav		nav	10.837	12.923	20.708	
Trinidad and Tobago		nav	nav	nav	nav	nav	1.567	3.839	7.945	14.427	4.547	

Notes:

Please refer to the individual country tables for a detailed explanation.

**Table 7c**  
**Use of payment instruments by non-banks: number of transactions per inhabitant**  
(total for the year)

	Credit transfers							Direct debits						
	2012	2013	2014	2015	2016	2017	2018	2012	2013	2014	2015	2016	2017	
Argentina	2.116	2.401	2.876	3.302	3.928	4.810	0.855	0.920	1.001	1.083	1.208	1.465		
Brazil	45.161	47.558	49.151	49.150	48.249	50.542	21.250	24.640	27.406	26.544	25.891	25.807		
Chile	4.263	4.676	5.242	6.118	6.684	7.184	nav	nav	nav	nav	nav	nav		
Colombia	2.611	2.778	2.963	3.156	3.323	3.569	0.083	0.104	0.129	0.138	0.167	0.210		
Costa Rica	3.488	4.223	4.785	16.081	17.758	23.811	1.218	1.993	3.062	9.485	10.745	6.665		
Dominican Republic	4.972	5.413	5.863	6.406	6.840	7.706	11.182	12.018	12.606	13.559	15.032	17.698		
Ecuador	2.484	2.785	2.959	3.153	3.459	3.724	nav	nav	nav	nav	nav	nav		
Guatemala	0.004	0.004	0.005	0.005	0.005	0.005	nav	nav	nav	nav	nav	nav		
Jamaica	0.357	0.517	0.656	0.765	0.996	1.193	0.164	0.170	0.168	0.162	0.185	0.189		
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Peru	nav	6.426	6.948	7.246	7.545	7.939	nav	0.908	0.858	0.789	0.789	0.599		
Trinidad and Tobago	2.457	2.608	2.769	2.912	2.995	3.098	0.118	0.123	0.148	0.167	0.185	0.198		

**Table 7c (cont)**

	Cheques						e-money payment transactions					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	2.240	2.217	2.138	2.062	1.977	1.937	nav	nav	nav	nav	0.714	1.475
Brazil	7.171	6.452	5.745	5.085	4.193	3.520	0.181	0.190	0.137	0.119	0.114	0.108
Chile	10.817	10.167	9.380	8.551	7.732	6.687	nav	nav	nav	nav	nav	nav
Colombia	0.633	0.555	0.500	0.434	0.371	0.273	nav	nav	nav	nav	nav	nav
Costa Rica	1.109	0.989	0.909	0.863	0.736	0.562	nav	nav	nav	nav	nav	nav
Dominican Republic	2.640	2.569	2.500	2.497	2.431	2.294	nav	nav	nav	nav	nav	nav
Ecuador	2.751	2.613	2.448	2.167	1.901	1.862	nav	nav	nav	neg	0.004	0.010
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	7.100	6.893	6.158	5.498	5.386	5.055	nav	nav	nav	nav	nav	nav
Paraguay	1.832	1.780	1.732	1.644	1.554	1.491	nav	nav	nav	nav	nav	nav
Peru	nav	1.455	1.339	1.178	1.072	0.929	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	9.741	9.912	9.580	9.053	8.605	8.137	2.170	2.617	2.932	3.193	3.435	3.415

**Table 7c (cont)**

	Card payments						of which; by cards with a debit function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	21.760	23.577	26.398	29.391	34.433	36.972	10.065	11.133	12.072	13.598	15.645	16.994
Brazil	42.373	48.460	54.182	57.828	62.029	69.516	20.719	24.428	27.775	30.380	33.184	38.215
Chile	24.987	30.480	38.170	47.724	57.203	68.160	17.973	22.242	27.229	34.181	40.660	48.906
Colombia	6.634	7.549	8.321	9.088	10.412	11.528	3.357	3.959	4.530	5.002	5.583	6.219
Costa Rica	42.790	45.380	53.081	61.704	71.833	78.749	26.697	28.339	34.333	41.164	49.853	49.448
Dominican Republic	8.082	9.079	11.400	13.777	15.774	18.352	2.208	2.568	3.306	4.189	4.789	5.930
Ecuador	nav	nav	nav	9.582	10.051	11.895	nav	nav	nav	1.456	1.835	2.234
Guatemala	0.005	0.005	0.006	0.007	0.009	0.011	0.005	0.005	0.006	0.007	0.008	0.011
Jamaica	25.786	27.526	29.532	31.533	35.490	37.590	20.455	21.484	23.304	26.155	29.700	31.183
Paraguay	4.240	5.007	5.425	5.926	6.598	7.855	1.228	1.807	2.019	2.387	2.999	3.958
Peru	nav	6.505	7.619	8.656	10.222	11.073	nav	3.138	3.928	4.533	5.298	5.821
Trinidad and Tobago	32.790	33.811	33.834	36.543	40.435	41.295	23.159	24.068	23.753	25.696	28.062	28.385

Table 7c (cont)

	<i>of which; by cards with a delayed debit function</i>							<i>of which; by cards with a credit function</i>						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	nap	nap	nap	nap	nap	nap		11.695	12.444	14.326	15.793	18.788	19.979	
Brazil	nav	nav	nav	nav	nav	nav		21.654	24.032	26.407	27.449	28.845	31.301	
Chile	nap	nap	nap	nap	nap	nap		7.015	8.238	10.941	13.543	16.542	19.254	
Colombia	nav	nav	nav	nav	nav	nav		3.277	3.590	3.792	4.086	4.829	5.309	
Costa Rica	nap	nap	nap	nap	nap	nap		16.093	17.040	18.748	20.540	21.980	29.301	
Dominican Republic	nap	nap	nap	nap	nap	nap		5.875	6.511	7.973	9.531	10.882	12.271	
Ecuador	nap	nap	nap	nap	nap	nap		nav	nav	nav	8.126	8.215	9.661	
Guatemala	nav	nav	nav	nav	nav	nav		neg	neg	neg	neg	neg	neg	
Jamaica	nap	nap	nap	nap	nap	nap		5.330	6.043	6.227	5.378	5.790	6.406	
Paraguay	nav	nav	nav	nav	nav	nav		3.012	3.200	3.406	3.539	3.598	3.897	
Peru	nap	nap	nap	nap	nap	nap		nav	3.367	3.691	4.123	4.923	5.252	
Trinidad and Tobago	nap	nap	nap	nap	nap	nap		9.632	9.743	10.081	10.847	12.374	12.910	

Notes:  
 Please refer to the individual country tables for a detailed explanation.

**Table 8**  
**Payment transactions by non-banks: total value of transactions**  
(total for the year)

	Total value of transactions(USD thousand millions) <sup>(1)</sup>						Increase in value of transactions(in %)						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina	1,116.477	1,118.292	1,198.461	891.812	1,228.590	1,378.191		0.163	7.169	-25.587		37.763	12.177
Brazil	17,136.019	18,318.713	17,378.553	12,608.394	12,606.240	14,994.689		6.902	-5.132	-27.449		-0.017	18.947
Chile	788.058	788.023	662.537	734.146	667.939	701.642		-2.542	-13.735	10.808		-9.018	5.046
Colombia	544.854	560.858	569.111	447.180	413.797	440.460		2.937	1.472	-21.425		-7.465	6.443
Costa Rica	147.494	152.610	161.993	297.146	313.808	353.128		3.468	6.148	83.431		5.668	12.530
Dominican Republic	187.150	188.706	189.668	190.064	212.492	245.939		0.831	0.510	0.209		11.800	15.740
Ecuador	119.603	132.247	141.931	161.031	157.407	163.114		10.572	7.322	13.457		-2.550	3.625
Guatemala	52.916	56.505	61.964	56.004	40.506	37.230		6.782	9.661	-9.618		-27.672	-8.088
Jamaica	36.472	31.488	27.311	25.490	24.832	25.462		-13.665	-13.265	-6.667		-2.583	2.541
Paraguay	32.312	34.489	31.787	26.580	23.620	24.198		6.737	-7.833	-16.382		-11.137	2.448
Peru	nav	454.807	438.018	395.490	389.088	447.337		nav	-3.692	-9.709		-1.619	14.971
Trinidad and Tobago	56.822	63.120	66.453	66.300	57.155	55.516		11.084	5.280	-0.230		-13.794	-2.867

**Table 8 (cont)**

	Average value per transaction(USD) <sup>(1)</sup>						Average value per inhabitant(USD thousands)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	990.568	908.858	865.343	576.176	666.074	669.783	26.716	26.462	28.049	20.649	28.148	31.251
Brazil	739.613	715.812	627.327	444.540	435.457	483.014	85.896	91.123	85.706	61.670	61.171	72.208
Chile	1,127.448	961.085	704.302	653.462	512.665	465.514	45.174	43.560	37.181	40.771	36.716	38.187
Colombia	1,174.246	1,083.499	1,002.230	723.932	594.684	573.552	11.697	11.902	11.941	9.277	8.489	8.936
Costa Rica	616.478	591.817	532.382	685.157	625.436	644.747	31.703	32.379	33.939	61.492	64.169	71.375
Dominican Republic	719.282	663.204	592.853	525.503	526.269	525.183	19.332	19.286	19.190	19.044	21.091	24.185
Ecuador	1,471.892	1,553.048	1,637.832	663.812	617.792	555.904	7.706	8.383	8.855	9.892	9.523	9.722
Guatemala	367,757.606	392,717.895	361,924.252	294,585.140	179,782.786	136,417.439	3.511	3.660	3.920	3.462	2.448	2.200
Jamaica	402.641	330.012	274.667	246.076	216.029	214.691	13.451	11.585	10.029	9.341	9.086	9.320
Paraguay	823.589	774.809	667.109	519.699	422.721	372.351	5.001	5.258	4.775	3.934	3.446	3.480
Peru	nav	975.768	847.974	710.508	629.572	684.289	nav	14.924	14.215	12.696	12.356	14.056
Trinidad and Tobago	900.188	959.539	1,002.676	947.075	758.508	728.879	42.557	47.085	49.395	49.123	42.215	40.922

**Table 8 (cont)**

	Value as a ratio to GDP							Value as a ratio to deposits held by non-banks						
	2012	2013	2014	2015	2016	2017	2018	2012	2013	2014	2015	2016	2017	
Argentina	1.926	1.830	2.125	1.387	2.215	2.160	24,196.110	25,842.730	27,009.965	22,243.077	24,310.087	21,763.691		
Brazil	4.971	5.702	5.866	6.256	6.760	7.297	190.405	224.767	249.256	303.905	240.184	275.676		
Chile	2.952	2.757	2.541	3.009	2.671	2.534	24.207	23.006	20.294	23.885	19.391	17.246		
Colombia	1.471	1.469	1.492	1.526	1.463	1.401	6.586	6.265	7.331	6.870	6.170	6.073		
Costa Rica	3.433	3.226	3.467	5.767	5.771	6.443	nav	nav	nav	nav	nav	nav		
Dominican Republic	3.081	3.009	2.867	2.759	2.932	3.229	2.113	1.986	2.000	1.947	2.014	2.314		
Ecuador	1.360	1.390	1.395	1.622	1.596	1.583	28,550.722	102,969.684	1,902.567	436.089	nav	175.334		
Guatemala	1.051	1.051	1.057	0.880	0.591	0.493	8.796	9.100	9.230	7.918	5.264	4.335		
Jamaica	2.472	2.219	1.971	1.804	1.768	1.728	11.158	9.889	8.549	6.970	6.525	6.331		
Paraguay	1.314	1.187	1.032	0.982	0.862	0.819	3.009	2.812	2.270	2.061	1.734	1.608		
Peru	nav	6.057	6.121	6.547	6.710	6.774	nav	nav	nav	nav	nav	nav		
Trinidad and Tobago	2.209	2.365	2.434	2.707	2.553	2.505	9.129	9.670	8.890	9.778	8.815	8.641		

Notes:  
Please refer to the individual country tables for a detailed explanation.  
<sup>(1)</sup> Converted at yearly average exchange rates.

**Table 9**  
**Use of payment instruments by non-banks: value of transactions per payment instrument**  
(USD thousand millions, total for the year) <sup>(1)</sup>

	Credit transfers						Direct debits					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	810.091	829.701	908.354	811.559	971.398	1,102.957	11.352	7.745	7.026	6.840	8.495	11.131
Brazil	13,278.668	13,993.340	13,641.986	10,225.424	9,784.144	11,751.391	2,026.416	2,578.213	2,134.492	1,291.926	1,870.569	2,259.379
Chile	97.189	107.498	118.153	136.088	170.827	209.380	nav	nav	nav	nav	nav	nav
Colombia	335.747	370.509	389.918	316.198	298.128	338.041	0.767	0.952	1.157	0.950	1.050	1.263
Costa Rica	81.327	91.388	98.384	214.261	219.357	253.522	11.392	19.012	27.474	46.375	58.713	68.938
Dominican Republic	66.372	74.375	75.291	75.610	89.795	106.979	64.409	59.987	60.838	61.567	71.541	88.375
Ecuador	49.426	59.287	67.756	88.330	92.754	99.647	nav	nav	nav	nav	nav	nav
Guatemala	0.009	0.008	0.014	0.008	0.009	0.020	nav	nav	nav	nav	nav	nav
Jamaica	0.917	1.064	1.295	1.508	1.672	1.871	0.107	0.081	0.090	0.077	0.074	0.075
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	279.496	278.780	265.420	272.288	334.377	nav	1.747	1.820	1.679	1.540	1.588
Trinidad and Tobago	17.261	20.136	23.318	23.128	19.945	19.994	0.047	0.081	0.079	0.094	0.079	0.078

**Table 9 (cont)**

	Cheques						e-money payment transactions					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	246.073	230.597	225.843	18.115	181.114	187.462	nav	nav	nav	nav	nav	nav
Brazil	1,459.110	1,351.309	1,189.640	772.500	627.893	590.521	1.156	1.528	0.751	0.387	0.344	1.090
Chile	665.603	630.031	511.086	562.372	456.441	442.575	nav	nav	nav	nav	nav	nav
Colombia	181.321	160.108	146.474	103.906	87.773	70.801	nav	nav	nav	nav	nav	nav
Costa Rica	46.505	33.233	25.785	24.632	22.224	17.617	nav	nav	nav	nav	nav	nav
Dominican Republic	51.676	49.362	47.629	46.069	43.678	42.130	nav	nav	nav	nav	nav	nav
Ecuador	65.105	67.168	67.785	62.014	54.075	55.404	nav	nav	nav	neg	0.001	0.003
Guatemala	52.903	56.494	61.946	55.991	40.492	37.203	nav	nav	nav	nav	nav	nav
Jamaica	29.383	24.140	19.490	16.442	14.540	13.266	nav	nav	nav	nav	nav	nav
Paraguay	30.687	32.580	29.816	24.780	21.833	21.998	nav	nav	nav	nav	nav	nav
Peru	nav	159.013	141.204	111.430	96.748	91.661	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	36.687	39.813	39.859	39.542	33.403	31.683	0.278	0.330	0.363	0.400	0.426	0.463

**Table 9 (cont)**

	Card payments						of which; by cards with a debit function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	48.961	50.248	57.238	55.298	67.582	76.640	17.192	17.539	19.094	17.888	20.606	24.250
Brazil	370.669	394.323	411.684	318.158	323.291	392.308	121.735	136.665	148.127	116.745	123.626	155.199
Chile	25.266	30.495	33.298	35.686	40.671	49.687	12.456	15.337	16.370	17.349	19.872	25.048
Colombia	27.020	29.290	31.561	26.126	26.845	30.355	10.607	11.528	12.942	11.011	11.476	13.113
Costa Rica	8.270	8.977	10.350	11.878	13.514	13.050	4.280	4.474	5.190	6.289	7.027	6.092
Dominican Republic	4.694	4.982	5.869	6.803	7.439	8.351	0.712	0.791	1.031	1.298	1.380	1.631
Ecuador	5.072	5.792	6.391	10.687	10.577	8.059	nav	nav	nav	0.976	1.161	1.385
Guatemala	0.003	0.003	0.004	0.005	0.006	0.007	nav	nav	nav	nav	nav	nav
Jamaica	6.064	6.203	6.436	7.462	8.546	10.250	4.541	4.603	4.709	5.651	6.459	7.579
Paraguay	1.625	1.909	1.971	1.799	1.787	2.200	0.374	0.524	0.526	0.548	0.631	0.831
Peru	nav	14.552	16.213	16.962	18.512	19.712	nav	3.475	4.253	4.447	4.833	5.302
Trinidad and Tobago	2.551	2.760	2.835	3.136	3.303	3.299	1.435	1.572	1.555	1.700	1.782	1.768

**Table 9 (cont)**

	<i>of which; by cards with a delayed debit function</i>							<i>of which; by cards with a credit function</i>						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	nap	nap	nap	nap	nap	nap	nap	31.769	32.709	38.144	37.410	46.977	52.390	
Brazil	nav	nav	nav	nav	nav	nav	nav	248.934	257.658	263.558	201.413	199.665	237.109	
Chile	nap	nap	nap	nap	nap	nap	nap	12.809	15.158	16.927	18.338	20.798	24.639	
Colombia	nav	nav	nav	nav	nav	nav	nav	16.414	17.762	18.619	15.115	15.369	17.243	
Costa Rica	nap	nap	nap	nap	nap	nap	nap	3.989	4.503	5.161	5.589	6.488	6.958	
Dominican Republic	nap	nap	nap	nap	nap	nap	nap	3.982	4.191	4.838	5.506	6.059	6.720	
Ecuador	nap	nap	nap	nap	nap	nap	nap	5.072	5.792	6.391	9.711	9.416	6.675	
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Jamaica	nap	nap	nap	nap	nap	nap	nap	1.523	1.600	1.727	1.812	2.086	2.671	
Paraguay	nav	nav	nav	nav	nav	nav	nav	1.251	1.385	1.445	1.252	1.156	1.369	
Peru	nap	nap	nap	nap	nap	nap	nap	nav	11.076	11.960	12.515	13.678	14.411	
Trinidad and Tobago	nap	nap	nap	nap	nap	nap	nap	1.115	1.188	1.280	1.436	1.520	1.531	

Notes:

Please refer to the individual country tables for a detailed explication.

<sup>(1)</sup> Converted at yearly average exchange rates.

**Table 9a**  
**Use of payment instruments by non-banks: relative importance of payment instruments, in value of transactions**  
(% of total value of transactions)

	Credit transfers						Direct debits					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	72.558	74.194	75.793	91.001	79.066	80.029	1.017	0.693	0.586	0.767	0.691	0.808
Brazil	77.490	76.388	78.499	81.100	77.613	78.370	11.825	14.074	12.282	10.247	14.838	15.068
Chile	12.333	13.997	17.833	18.537	25.575	29.841	nap	nap	nap	nap	nap	nap
Colombia	61.621	66.061	68.514	70.709	72.047	76.747	0.141	0.170	0.203	0.213	0.254	0.287
Costa Rica	55.139	59.883	60.733	72.106	69.902	71.793	7.724	12.458	16.960	15.607	18.710	19.522
Dominican Republic	35.464	39.413	39.696	39.781	42.258	43.498	34.416	31.788	32.076	32.393	33.667	35.934
Ecuador	41.325	44.831	47.738	54.853	58.926	61.091	nap	nap	nap	nap	nap	nap
Guatemala	0.017	0.014	0.022	0.014	0.022	0.053	nav	nav	nav	nav	nav	nav
Jamaica	2.515	3.378	4.741	5.917	6.735	7.347	0.294	0.257	0.329	0.302	0.296	0.295
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	61.454	63.646	67.112	69.981	74.748	nav	0.384	0.416	0.424	0.396	0.355
Trinidad and Tobago	30.377	31.901	35.090	34.883	34.896	36.014	0.082	0.128	0.119	0.142	0.138	0.141

**Table 9a (cont)**

	Cheques						e-money payment transactions					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	22.040	20.621	18.844	2.031	14.742	13.602	nav	nav	nav	nav	nav	nav
Brazil	8.515	7.377	6.845	6.127	4.981	3.938	0.007	0.008	0.004	neg	neg	neg
Chile	84.461	82.033	77.141	76.602	68.336	63.077	nap	nap	nap	nap	nap	nap
Colombia	33.279	28.547	25.737	23.236	21.212	16.074	nav	nav	nav	nav	nav	nav
Costa Rica	31.530	21.777	15.917	8.289	7.082	4.989	nap	nap	nap	nap	nap	nap
Dominican Republic	27.612	26.158	25.112	24.238	20.555	17.130	nap	nap	nap	nap	nap	nap
Ecuador	54.434	50.790	47.759	38.511	34.353	33.966	nap	nap	nap	neg	0.001	0.002
Guatemala	99.976	99.981	99.971	99.977	99.964	99.927	nav	nav	nav	nav	nav	nav
Jamaica	80.564	76.666	71.365	64.505	58.554	52.102	nav	nav	nav	nav	nav	nav
Paraguay	94.970	94.466	93.800	93.230	92.434	90.909	nav	nav	nav	nav	nav	nav
Peru	nav	34.963	32.237	28.175	24.865	20.490	navp	navp	navp	navp	navp	navp
Trinidad and Tobago	64.564	63.075	59.980	59.641	58.442	57.069	0.489	0.523	0.546	0.604	0.746	0.833

**Table 9a (cont)**

	Card payments						of which; by cards with a debit function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	4.385	4.493	4.776	6.201	5.501	5.561	1.540	1.568	1.593	2.006	1.677	1.760
Brazil	2.163	2.153	2.369	2.523	2.565	2.616	0.710	0.746	0.852	0.926	0.981	1.035
Chile	3.206	3.971	5.026	4.861	6.089	7.081	1.581	1.997	2.471	2.363	2.975	3.570
Colombia	4.959	5.222	5.546	5.842	6.488	6.892	1.947	2.055	2.274	2.462	2.773	2.977
Costa Rica	5.607	5.882	6.389	3.997	4.307	3.695	2.902	2.932	3.204	2.117	2.239	1.725
Dominican Republic	2.508	2.640	3.094	3.579	3.501	3.396	0.381	0.419	0.544	0.683	0.649	0.663
Ecuador	4.241	4.380	4.503	6.637	6.719	4.941	nav	nav	nav	0.606	0.738	0.849
Guatemala	0.006	0.006	0.007	0.009	0.014	0.020	nav	nav	nav	nav	nav	nav
Jamaica	16.627	19.699	23.566	29.276	34.414	40.256	12.452	14.618	17.243	22.168	26.012	29.765
Paraguay	5.030	5.534	6.200	6.770	7.566	9.091	1.158	1.519	1.655	2.060	2.673	3.433
Peru	nav	3.200	3.701	4.289	4.758	4.407	nav	0.764	0.971	1.124	1.242	1.185
Trinidad and Tobago	4.489	4.372	4.265	4.730	5.779	5.942	2.526	2.490	2.340	2.564	3.119	3.184

Table 9a (cont)

	<i>of which; by cards with a delayed debit function</i>							<i>of which; by cards with a credit function</i>						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	nap	nap	nap	nap	nap	nap	nap	2.845	2.925	3.183	4.195	3.824	3.801	
Brazil	nav	nav	nav	nav	nav	nav	nav	1.453	1.407	1.517	1.597	1.584	1.581	
Chile	nap	nap	nap	nap	nap	nap	nap	1.625	1.974	2.555	2.498	3.114	3.512	
Colombia	nav	nav	nav	nav	nav	nav	nav	3.012	3.167	3.272	3.380	3.714	3.915	
Costa Rica	nap	nap	nap	nap	nap	nap	nap	2.705	2.951	3.186	1.881	2.067	1.970	
Dominican Republic	nap	nap	nap	nap	nap	nap	nap	2.127	2.221	2.551	2.897	2.852	2.732	
Ecuador	nap	nap	nap	nap	nap	nap	nap	4.241	4.380	4.503	6.031	5.982	4.092	
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Jamaica	nap	nap	nap	nap	nap	nap	nap	4.175	5.081	6.322	7.108	8.402	10.491	
Paraguay	nav	nav	nav	nav	nav	nav	nav	3.872	4.015	4.546	4.710	4.892	5.658	
Peru	nap	nap	nap	nap	nap	nap	nap	nav	2.435	2.731	3.164	3.515	3.221	
Trinidad and Tobago	nap	nap	nap	nap	nap	nap	nap	1.963	1.882	1.925	2.166	2.660	2.758	

Notes:  
Please refer to the individual country tables for a detailed explication.



**Table 9b**  
**Use of payment instruments by non-banks: increase in the real value of transactions**  
(% change on previous year, adjusted by CPI inflation)

	Credit transfers							Direct debits						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina		-2.586	19.565	-24.650	51.832	3.856			-43.759	-8.232	-15.513	58.997	23.460	
Brazil		10.549	-0.158	-4.391	-6.459	7.133			34.694	-16.179	-24.851	44.772	7.755	
Chile		10.687	21.853	27.853	26.074	15.405			nap	nap	nap	nap	nap	
Colombia		14.670	12.630	11.273	4.748	9.547			28.989	30.184	12.688	22.787	16.173	
Costa Rica		6.351	11.435	115.477	4.337	19.950			60.485	51.127	66.826	29.022	21.887	
Dominican Republic		15.281	3.844	1.530	19.691	18.686			-4.842	4.039	2.333	17.073	23.218	
Ecuador		17.251	10.616	26.986	3.889	7.632			nap	nap	nap	nap	nap	
Guatemala		-20.699	73.743	-46.034	9.266	107.572			nav	nav	nav	nav	nav	
Jamaica		21.617	28.009	19.126	16.561	9.534			-24.310	16.263	-13.283	0.203	-0.348	
Paraguay		nav	nav	nav	nav	nav			nav	nav	nav	nav	nav	
Peru		nav	1.558	2.417	5.495	17.277			nav	6.235	-0.923	-6.001	-1.760	
Trinidad and Tobago		11.681	9.566	-5.967	-12.910	0.036			69.130	-8.503	14.213	-15.821	-0.780	

**Table 9b (cont)**

	Cheques						e-money payment transactions						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina		-13.073	2.460	-117.418	1454.595	-7.396			nav	nav	nav	nav	nav
Brazil		-3.563	-10.461	-18.599	-21.487	-16.750			40.175	-52.879	-37.651	-13.531	3.474
Chile		-5.534	-11.302	21.948	-19.821	-9.160			nap	nap	nap	nap	nap
Colombia		-8.249	-2.093	-2.668	-6.160	-22.082			nav	nav	nav	nav	nav
Costa Rica		-34.275	-20.950	-5.948	-8.048	-18.239			nap	nap	nap	nap	nap
Dominican Republic		-2.303	-1.096	-2.295	-4.787	-4.712			nap	nap	nap	nap	nap
Ecuador		0.467	-2.749	-11.893	-13.922	2.658			nap	nap	nav	nav	160.565
Guatemala		2.801	4.475	-12.866	-32.651	-15.558			nav	nav	nav	nav	nav
Jamaica		-16.649	-17.253	-14.743	-7.387	-11.611			nap	nap	nap	nap	nap
Paraguay		-0.330	-9.125	-5.655	-8.574	-4.865			nav	nav	nav	nav	nav
Peru		nav	-9.939	-15.863	-11.213	-9.833			nav	nav	nav	nav	nav
Trinidad and Tobago		3.531	-6.047	-5.946	-14.754	-5.447			13.947	3.630	5.179	8.202	8.483

**Table 9b (cont)**

	Card payments						of which; by cards with a debit function						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina		-2.336	26.133	-16.360	55.848	3.698			-3.066	18.652	-19.699	44.658	8.499
Brazil		11.654	7.377	-1.093	-0.274	8.271			18.156	11.719	1.080	4.192	12.111
Chile		20.948	21.023	18.664	14.115	15.021			23.420	18.196	17.290	14.716	18.740
Colombia		12.639	15.323	13.988	14.160	9.245			12.937	20.153	16.745	15.797	10.388
Costa Rica		2.554	19.673	13.151	15.952	-0.050			-1.448	20.424	19.539	13.860	-10.426
Dominican Republic		8.993	21.099	17.553	10.067	11.592			14.229	34.190	27.779	6.979	17.741
Ecuador		11.500	6.668	63.848	-2.151	-23.602			nav	nav	nav	17.912	19.440
Guatemala		-5.521	26.129	10.357	13.790	21.671			nav	nav	nav	nav	nav
Jamaica		6.147	8.169	18.550	20.437	17.834			5.089	6.571	22.807	20.220	15.153
Paraguay		10.649	3.074	3.950	3.544	17.229			32.660	0.096	18.983	20.851	25.603
Peru		nav	13.820	12.975	12.437	1.513			nav	25.326	12.918	11.967	4.608
Trinidad and Tobago		3.207	-3.462	5.419	7.049	-0.333			4.525	-7.233	4.123	6.552	-1.052

Table 9b (cont)

	<i>of which; by cards with a delayed debit function</i>						<i>of which; by cards with a credit function</i>					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		nap	nap	nap	nap	nap	-1.941	30.144	-14.688	61.198		1.592
Brazil		nav	nav	nav	nav	nav	8.474	5.074	-2.314	-2.862		5.893
Chile		nap	nap	nap	nap	nap	18.544	23.884	19.994	13.546		11.467
Colombia		nav	nav	nav	nav	nav	12.447	12.188	11.394	12.967		8.392
Costa Rica		nap	nap	nap	nap	nap	6.847	18.927	6.728	18.305		11.188
Dominican Republic		nap	nap	nap	nap	nap	8.056	18.628	15.373	10.795		10.192
Ecuador		nap	nap	nap	nap	nap	11.500	6.668	48.583	-4.166		-28.910
Guatemala		nav	nav	nav	nav	nav	nav	nav	nav	nav		nav
Jamaica		nap	nap	nap	nap	nap	9.302	12.764	6.941	21.111		26.136
Paraguay		nav	nav	nav	nav	nav	4.069	4.200	-1.522	-4.027		12.654
Peru		nap	nap	nap	nap	nap	nav	10.210	12.995	12.604		0.420
Trinidad and Tobago		nap	nap	nap	nap	nap	1.511	1.529	6.994	7.637		0.510

Notes:  
 Please refer to the individual country tables for a detailed explanation.

**Table 9c**  
**Use of payment instruments by non-banks: average value per transaction**  
(USD, total for the year) <sup>(1)</sup>

	Credit transfers						Direct debits					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	9,160,580	8,176,761	7,391,103	5,690,243	5,665,901	5,199,518	317,721	199,161	164,291	146,187	161,141	172,339
Brazil	1,473,852	1,463,621	1,368,801	1,017,590	983,998	1,119,642	478,010	520,493	384,104	238,055	350,575	421,595
Chile	1,306,852	1,303,996	1,264,988	1,235,318	1,404,828	1,586,226	nav	nav	nav	nav	nav	nav
Colombia	2,760,517	2,830,800	2,761,196	2,078,710	1,840,173	1,921,703	198,162	194,573	187,550	143,308	128,804	122,080
Costa Rica	5,011,540	4,591,230	4,307,813	2,757,249	2,525,837	2,152,072	2,010,403	2,024,406	1,879,600	1,011,787	1,117,382	2,090,703
Dominican Republic	1,378,934	1,404,217	1,299,361	1,182,567	1,303,016	1,365,172	594,973	510,108	488,286	454,964	472,376	491,035
Ecuador	1,281,742	1,349,502	1,428,617	1,720,826	1,622,548	1,595,142	nav	nav	nav	nav	nav	nav
Guatemala	146,513	113,009	187,429	103,405	107,663	218,162	nav	nav	nav	nav	nav	nav
Jamaica	946,349	756,636	725,282	722,292	614,075	574,135	241,789	175,167	196,925	173,896	145,400	145,618
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	1,427,168	1,302,179	1,175,911	1,146,115	1,323,316	nav	63,144	68,871	68,324	62,016	83,259
Trinidad and Tobago	5,261,029	5,760,250	6,259,907	5,883,645	4,918,934	4,756,434	294,207	492,047	396,584	419,353	314,510	291,608

**Table 9c (cont)**

	Cheques						e-money payment transactions					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	2,629,229	2,461,321	2,471,962	203,427	2,098,508	2,194,565	nav	nav	nav	nav	nav	nav
Brazil	1,019,864	1,041,892	1,021,312	743,021	726,672	807,835	32,083	39,921	27,025	15,865	14,687	48,538
Chile	3,527,228	3,514,476	3,057,665	3,652,391	3,245,184	3,602,012	nav	nav	nav	nav	nav	nav
Colombia	6,148,724	6,118,825	6,140,464	4,971,567	4,851,033	5,255,410	nav	nav	nav	nav	nav	nav
Costa Rica	9,011,361	7,130,928	5,945,815	5,905,816	6,176,085	6,334,560	nav	nav	nav	nav	nav	nav
Dominican Republic	2,021,943	1,963,364	1,927,585	1,848,271	1,783,551	1,806,047	nav	nav	nav	nav	nav	nav
Ecuador	1,524,842	1,629,473	1,727,860	1,758,134	1,720,558	1,773,867	nav	nav	nav	nav	15,692	18,254
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	1,526,268	1,288,559	1,162,252	1,095,910	987,739	960,552	nav	nav	nav	nav	nav	nav
Paraguay	2,592,447	2,791,333	2,585,609	2,230,688	2,049,843	2,121,771	nav	nav	nav	nav	nav	nav
Peru	nav	3,585,736	3,422,917	3,035,563	2,866,701	3,101,475	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	2,820,813	2,996,280	3,092,579	3,236,248	2,867,091	2,870,184	95,881	94,147	91,978	92,926	91,637	99,865

**Table 9c (cont)**

	Card payments						of which; by cards with a debit function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	53,842	50,430	50,746	43,564	44,968	47,005	40,872	37,278	37,018	30,460	30,176	32,358
Brazil	43,848	40,476	37,472	26,910	25,291	27,176	29,451	27,829	26,301	18,796	18,077	19,557
Chile	57,962	56,743	48,956	41,528	39,083	39,674	39,729	39,109	33,739	28,188	26,866	27,875
Colombia	87,439	82,346	79,578	59,640	52,890	53,421	67,825	61,797	59,947	45,669	42,168	42,773
Costa Rica	41,540	41,970	40,852	39,836	38,470	33,494	34,462	33,495	31,668	31,619	28,822	24,902
Dominican Republic	59,989	56,085	52,089	49,479	46,809	44,747	33,329	31,486	31,566	31,038	28,589	27,044
Ecuador	nav	nav	nav	68,515	63,668	40,386	nav	nav	nav	41,159	38,280	36,947
Guatemala	40,392	42,452	43,548	42,357	40,617	41,114	nav	nav	nav	nav	nav	nav
Jamaica	86,734	82,911	80,028	86,721	88,103	99,812	81,881	78,830	74,205	79,167	79,575	88,961
Paraguay	59,322	58,121	54,570	44,947	39,514	40,275	47,139	44,201	39,134	33,954	30,712	30,187
Peru	nav	73,399	69,056	62,905	57,514	55,934	nav	36,335	35,131	31,490	28,970	28,618
Trinidad and Tobago	58,258	60,886	62,272	63,578	60,329	58,884	46,421	48,721	48,662	49,019	46,916	45,906

Table 9c (cont)

	<i>of which; by cards with a delayed debit function</i>							<i>of which; by cards with a credit function</i>						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	nap	nap	nap	nap	nap	nap		65.004	62.198	62.314	54.847	57.287	59.462	
Brazil	nav	nav	nav	nav	nav	nav		57.624	53.332	49.221	35.890	33.589	36.479	
Chile	nap	nap	nap	nap	nap	nap		104.680	104.352	86.829	75.197	69.112	69.645	
Colombia	nav	nav	nav	nav	nav	nav		107.535	105.010	103.030	76.744	65.285	65.896	
Costa Rica	nap	nap	nap	nap	nap	nap		53.282	56.064	57.671	56.306	60.355	47.995	
Dominican Republic	nap	nap	nap	nap	nap	nap		70.006	65.787	61.390	57.879	55.267	53.852	
Ecuador	nap	nap	nap	nap	nap	nap			nav	nav	73.417	69.340	41.181	
Guatemala	nav	nav	nav	nav	nav	nav			nav	nav	nav	nav	nav	
Jamaica	nap	nap	nap	nap	nap	nap		105.358	97.423	101.823	123.455	131.845	152.630	
Paraguay	nav	nav	nav	nav	nav	nav		64.289	65.981	63.718	52.364	46.851	50.521	
Peru	nap	nap	nap	nap	nap	nap			nav	107.945	105.163	97.446	88.233	
Trinidad and Tobago	nap	nap	nap	nap	nap	nap		86.718	90.936	94.340	98.066	90.748	87.419	

Notes:  
Please refer to the individual country tables for a detailed explication.  
<sup>(1)</sup> Converted at yearly average exchange rates.

**Table 9d**  
**Use of payment instruments by non-banks: value of transaction per inhabitant**  
(USD, total for the year) <sup>(1)</sup>

	Credit transfers						Direct debits					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	19,384.336	19,632.791	21,259.481	18,790.866	22,255.788	25,010.366	271.633	183.262	164.448	158.383	194.633	252.412
Brazil	66,560.406	69,607.180	67,278.460	50,014.055	47,477.176	56,589.321	10,157.574	12,824.823	10,526.717	6,319.000	9,076.863	10,880.134
Chile	5,571.255	6,096.900	6,630.729	7,557.734	9,390.294	11,395.513	nap	nap	nap	nap	nap	nap
Colombia	7,207.672	7,862.905	8,180.939	6,559.655	6,115.736	6,857.977	16.456	20.193	24.283	19.718	21.548	25.624
Costa Rica	17,480.444	19,389.908	20,612.053	44,339.935	44,854.911	51,242.723	2,448.701	4,033.792	5,755.950	9,597.091	12,005.822	13,934.035
Dominican Republic	6,855.899	7,601.204	7,617.881	7,575.937	8,912.572	10,519.909	6,653.131	6,130.668	6,155.472	6,168.904	7,100.769	8,690.436
Ecuador	3,184.470	3,758.377	4,227.462	5,426.065	5,611.698	5,939.538	nap	nap	nap	nap	nap	nap
Guatemala	0.612	0.498	0.875	0.487	0.545	1.168	nav	nav	nav	nav	nav	nav
Jamaica	338.319	391.340	475.433	552.706	611.926	684.720	39.557	29.753	32.988	28.227	26.930	27.538
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	9,171.269	9,047.147	8,520.258	8,647.201	10,506.399	nav	57.316	59.065	53.885	48.906	49.887
Trinidad and Tobago	12,927.604	15,020.752	17,332.445	17,135.933	14,731.347	14,737.629	34.858	60.409	58.777	69.992	58.229	57.787

**Table 9d (cont)**

	Cheques						e-money payment transactions					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	5,888.185	5,456.506	5,285.716	419.440	4,149.526	4,250.843	nav	nav	nav	nav	nav	nav
Brazil	7,313.909	6,721.825	5,866.974	3,778.411	3,046.824	2,843.678	5.795	7.602	3.702	1.891	1.668	5.248
Chile	38,154.792	35,733.089	28,681.996	31,231.763	25,090.376	24,087.161	nap	nap	nap	nap	nap	nap
Colombia	3,892.517	3,397.790	3,073.198	2,155.568	1,800.561	1,436.368	nap	nap	nap	nap	nap	nap
Costa Rica	9,995.854	7,051.157	5,402.060	5,097.380	4,544.398	3,560.816	nap	nap	nap	nap	nap	nap
Dominican Republic	5,337.900	5,044.820	4,818.998	4,615.971	4,335.313	4,142.899	nap	nap	nap	nap	nap	nap
Ecuador	4,194.671	4,257.923	4,229.275	3,809.472	3,271.560	3,302.368	nap	nap	nap	nap	0.068	0.175
Guatemala	3,509.726	3,659.304	3,918.947	3,461.345	2,446.890	2,198.213	nav	nav	nav	nav	nav	nav
Jamaica	10,836.528	8,882.163	7,157.003	6,025.211	5,320.146	4,855.926	nav	nav	nav	nav	nav	nav
Paraguay	4,749.491	4,967.180	4,478.752	3,668.020	3,185.126	3,163.521	nav	nav	nav	nav	nav	nav
Peru	nav	5,217.794	4,582.446	3,577.024	3,072.470	2,880.054	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	27,476.554	29,699.053	29,627.090	29,297.504	24,671.493	23,353.998	208.019	246.385	269.662	296.713	314.802	341.039

**Table 9d (cont)**

	Card payments						of which; by cards with a debit function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	1,171.571	1,188.992	1,339.622	1,280.376	1,548.388	1,737.871	411.375	415.027	446.885	414.178	472.104	549.891
Brazil	1,858.008	1,961.485	2,030.312	1,556.158	1,568.757	1,889.176	610.204	679.816	730.520	571.019	599.890	747.366
Chile	1,448.318	1,729.546	1,868.654	1,981.870	2,235.658	2,704.200	714.040	869.863	918.695	963.466	1,092.381	1,363.248
Colombia	580.064	621.591	662.190	542.002	550.695	615.830	227.703	244.649	271.542	228.431	235.422	266.019
Costa Rica	1,777.509	1,904.582	2,168.477	2,458.058	2,763.447	2,637.647	920.044	949.223	1,087.282	1,301.545	1,436.854	1,231.352
Dominican Republic	484.850	509.191	593.834	681.660	738.346	821.200	73.577	80.855	104.358	130.008	136.928	160.381
Ecuador	326.770	367.170	398.731	656.493	639.902	480.379	nav	nav	nav	59.926	70.252	82.529
Guatemala	0.217	0.209	0.268	0.298	0.347	0.443	nav	nav	nav	nav	nav	nav
Jamaica	2,236.487	2,282.232	2,363.366	2,734.605	3,126.811	3,751.903	1,674.896	1,693.546	1,729.298	2,070.631	2,363.416	2,774.092
Paraguay	251.536	291.007	296.058	266.365	260.701	316.351	57.895	79.872	79.002	81.061	92.117	119.470
Peru	nav	477.490	526.152	544.486	587.881	619.374	nav	114.032	138.005	142.745	153.496	166.583
Trinidad and Tobago	1,910.275	2,058.638	2,106.939	2,323.347	2,439.438	2,431.643	1,075.041	1,172.619	1,155.860	1,259.575	1,316.549	1,303.052

Table 9d (cont)

	<i>of which; by cards with a delayed debit function</i>							<i>of which; by cards with a credit function</i>						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	nap	nap	nap	nap	nap	nap	nap	760.195	773.965	892.737	866.197	1,076.284	1,187.980	
Brazil	nav	nav	nav	nav	nav	nav	nav	1,247.804	1,281.670	1,299.792	985.139	968.867	1,141.811	
Chile	nap	nap	nap	nap	nap	nap	nap	734.278	859.683	949.959	1,018.404	1,143.277	1,340.952	
Colombia	nav	nav	nav	nav	nav	nav	nav	352.361	376.942	390.648	313.572	315.274	349.810	
Costa Rica	nap	nap	nap	nap	nap	nap	nap	857.465	955.358	1,081.195	1,156.513	1,326.593	1,406.295	
Dominican Republic	nap	nap	nap	nap	nap	nap	nap	411.273	428.336	489.477	551.652	601.418	660.819	
Ecuador	nap	nap	nap	nap	nap	nap	nap	326.770	367.170	398.731	596.568	569.649	397.850	
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Jamaica	nap	nap	nap	nap	nap	nap	nap	561.591	588.686	634.068	663.974	763.395	977.812	
Paraguay	nav	nav	nav	nav	nav	nav	nav	193.642	211.135	217.056	185.304	168.585	196.882	
Peru	nap	nap	nap	nap	nap	nap	nap	nav	363.458	388.147	401.741	434.385	452.790	
Trinidad and Tobago	nap	nap	nap	nap	nap	nap	nap	835.233	886.019	951.079	1,063.772	1,122.889	1,128.591	

Notes:  
Please refer to the individual country tables for a detailed explication.  
<sup>(1)</sup> Converted at yearly average exchange rates.

**Table 9e**  
**Use of payment instruments by non-banks: value of transaction as a ratio to GDP**  
(in %, total for the year)

	Credit transfers							Direct debits						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	139.754	135.779	161.090	126.258	175.153	172.887		1.958	1.267	1.246	1.064	1.532	1.745	
Brazil	385.227	435.546	460.456	507.356	524.653	571.900		58.788	80.247	72.045	64.102	100.305	109.956	
Chile	36.404	38.593	45.315	55.784	68.308	75.625		nap	nap	nap	nap	nap	nap	
Colombia	90.669	97.032	102.254	107.920	105.375	107.493		0.207	0.249	0.304	0.324	0.371	0.402	
Costa Rica	189.292	193.155	210.543	415.845	403.380	462.568		26.516	40.183	58.794	90.007	107.968	125.782	
Dominican Republic	109.267	118.582	113.815	109.753	123.882	140.452		106.035	95.641	91.966	89.369	98.699	116.027	
Ecuador	56.214	62.323	66.606	88.961	94.058	96.692		nap	nap	nap	nap	nap	nap	
Guatemala	0.018	0.014	0.024	0.012	0.013	0.026		nav	nav	nav	nav	nav	nav	
Jamaica	6.218	7.495	9.345	10.672	11.905	12.692		0.727	0.570	0.648	0.545	0.524	0.510	
Paraguay	nav	nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav	
Peru	nav	372.214	389.587	439.409	469.587	506.345		nav	2.326	2.543	2.779	2.656	2.404	
Trinidad and Tobago	67.089	75.443	85.405	94.424	89.079	90.213		0.181	0.303	0.290	0.386	0.352	0.354	

**Table 9e (cont)**

	Cheques						e-money payment transactions						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina	42.452	37.737	40.052	2.818	32.657	29.385		nav	nav	nav	nav	nav	nav
Brazil	42.330	42.060	40.154	38.329	33.669	28.739		0.034	0.048	0.025	0.019	0.018	0.053
Chile	249.316	226.190	196.013	230.525	182.516	159.853		nap	nap	nap	nap	nap	nap
Colombia	48.966	41.930	38.412	35.464	31.024	22.514		nav	nav	nav	nav	nav	nav
Costa Rica	108.243	70.241	55.180	47.806	40.868	32.143		nap	nap	nap	nap	nap	nap
Dominican Republic	85.073	78.701	71.998	66.872	60.260	55.312		nap	71.998	66.872	60.260	55.312	50.003
Ecuador	74.047	70.606	66.634	62.457	54.835	53.760		nav	nav	nav	nav	0.001	0.003
Guatemala	105.117	105.070	105.636	87.968	59.080	49.305		nav	nav	nav	nav	nav	nav
Jamaica	199.169	170.115	140.679	116.336	103.500	90.010		nav	nav	nav	nav	nav	nav
Paraguay	124.759	112.147	96.839	91.570	79.709	74.483		nav	nav	nav	nav	nav	nav
Peru	nav	211.763	197.329	184.475	166.851	138.801		nav	nav	nav	nav	nav	nav
Trinidad and Tobago	142.592	149.166	145.987	161.437	149.186	142.956		1.080	1.237	1.329	1.635	1.904	2.088

**Table 9e (cont)**

	Card payments							of which; by cards with a debit function						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	8.447	8.223	10.151	8.603	12.186	12.013		2.966	2.870	3.386	2.783	3.715	3.801	
Brazil	10.753	12.273	13.896	15.786	17.336	19.092		3.532	4.254	5.000	5.793	6.629	7.553	
Chile	9.464	10.948	12.770	14.628	16.263	17.946		4.666	5.506	6.278	7.111	7.946	9.047	
Colombia	7.297	7.671	8.277	8.917	9.489	9.653		2.864	3.019	3.394	3.758	4.056	4.170	
Costa Rica	19.248	18.973	22.150	23.053	24.852	23.810		9.963	9.456	11.106	12.207	12.922	11.115	
Dominican Republic	7.727	7.944	8.872	9.875	10.263	10.964		1.173	1.261	1.559	1.883	1.903	2.141	
Ecuador	5.768	6.089	6.282	10.763	10.725	7.820		nav	nav	nav	0.982	1.178	1.344	
Guatemala	0.006	0.006	0.007	0.008	0.008	0.010		nav	nav	nav	nav	nav	nav	
Jamaica	41.105	43.710	46.455	52.800	60.830	69.545		30.784	32.435	33.991	39.980	45.979	51.421	
Paraguay	6.607	6.570	6.401	6.650	6.524	7.448		1.521	1.803	1.708	2.024	2.305	2.813	
Peru	nav	19.379	22.657	28.080	31.925	29.850		nav	4.628	5.943	7.362	8.336	8.028	
Trinidad and Tobago	9.914	10.340	10.382	12.802	14.751	14.885		5.579	5.890	5.695	6.941	7.961	7.976	

Table 9e (cont)

	<i>of which; by cards with a delayed debit function</i>							<i>of which; by cards with a credit function</i>						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	nap	nap	nap	nap	nap	nap	nap	5.481	5.353	6.765	5.820	8.470	8.212	
Brazil	nav	nav	nav	nav	nav	nav	nav	7.222	8.020	8.896	9.994	10.707	11.539	
Chile	nap	nap	nap	nap	nap	nap	nap	4.798	5.442	6.492	7.517	8.317	8.899	
Colombia	nav	nav	nav	nav	nav	nav	nav	4.433	4.652	4.883	5.159	5.432	5.483	
Costa Rica	nap	nap	nap	nap	nap	nap	nap	9.285	9.517	11.044	10.846	11.930	12.695	
Dominican Republic	nap	nap	nap	nap	nap	nap	nap	6.555	6.682	7.313	7.992	8.360	8.823	
Ecuador	nap	nap	nap	nap	nap	nap	nap	5.768	6.089	6.282	9.781	9.548	6.477	
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Jamaica	nap	nap	nap	nap	nap	nap	nap	10.322	11.275	12.463	12.820	14.851	18.125	
Paraguay	nav	nav	nav	nav	nav	nav	nav	5.087	4.767	4.693	4.626	4.219	4.635	
Peru	nap	nap	nap	nap	nap	nap	nap	nav	14.751	16.714	20.719	23.589	21.822	
Trinidad and Tobago	nap	nap	nap	nap	nap	nap	nap	4.335	4.450	4.686	5.862	6.790	6.908	

Notes:

Please refer to the individual country tables for a detailed explication.



**Table 10**  
**Cards issued in the country: number of cards**  
(millions, end of year)

	Cards with a cash function							Cards with an e-money function						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	26.883	29.884	36.325	37.855	41.101	45.094	nav	nav	nav	nav	nav	1.871	5.903	
Brazil	335.558	348.354	350.250	353.167	344.844	334.660	2.651	2.244	2.673	2.436	1.920	1.606		
Chile	2.975	3.125	3.270	3.440	3.583	3.621	nap	nap	nap	nap	nap	nap	nap	
Colombia	17.780	18.797	20.869	22.514	25.177	27.524	nav	nav	nav	nav	nav	nav	nav	
Costa Rica	5.542	5.582	5.583	5.758	5.786	5.843	nap	0.190	0.788	1.491	0.196	0.336		
Dominican Republic	nap	nap	nap	nap	nap	nap	2.160	2.420	2.340	2.211	2.461	2.466		
Ecuador	2.733	0.007	4.929	7.360	7.965	8.726	2.733	0.007	0.003	2.561	2.573	2.947		
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Jamaica	2.116	2.350	2.563	2.777	2.177	2.895	nap	nap	nap	nap	nap	nap	nap	
Paraguay	1.257	1.506	1.661	1.901	1.910	2.071	nav	nav	nav	nav	nav	nav	nav	
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Trinidad and Tobago	2.810	2.965	3.082	3.231	3.349	3.450	0.134	0.182	0.219	0.248	0.243	0.254		

**Table 10 (cont)**

	Cards with a debit function							Cards with a credit function						
	2012	2013	2014	2015	2016	2017		2012	2013	2014	2015	2016	2017	
Argentina	26.883	29.884	36.325	37.855	41.101	45.094	42.897	46.608	49.771	54.939	57.599	60.832		
Brazil	293.347	301.934	313.220	317.355	318.394	323.714	153.248	160.996	160.026	163.104	148.868	150.154		
Chile	14.987	16.512	17.841	20.003	21.137	21.545	6.211	9.317	9.953	12.717	12.944	12.866		
Colombia	17.780	18.797	20.869	22.514	25.177	27.524	10.844	11.788	12.684	13.752	14.934	14.898		
Costa Rica	5.542	5.582	5.583	5.758	5.786	5.843	1.620	1.892	1.953	2.273	2.457	2.395		
Dominican Republic	3.297	3.290	3.327	3.295	3.899	4.564	2.160	2.420	2.340	2.211	2.461	2.466		
Ecuador	nav	nav	nav	nav	nav	nav	nap	nap	nap	nap	nap	nap	nap	
Guatemala	nav	nav	3.041	0.774	3.482	3.860	nav	nav	0.240	0.178	0.094	0.287		
Jamaica	2.116	2.350	2.563	2.777	2.177	2.895	0.209	0.215	0.223	0.227	0.246	0.292		
Paraguay	1.257	1.506	1.661	1.901	1.910	2.071	1.198	1.345	1.442	1.462	1.423	1.448		
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Trinidad and Tobago	2.482	2.603	2.705	2.808	2.922	3.024	0.328	0.362	0.377	0.422	0.427	0.426		

**Table 10 (cont)**

	Cards with a delayed debit function						
	2012	2013	2014	2015	2016	2017	
Argentina	0.579	0.579	0.572	0.575	0.584	0.899	
Brazil	nav	nav	nav	nav	nav	nav	
Chile	nav	nav	nav	nav	nav	nav	
Colombia	nav	nav	nav	nav	nav	nav	
Costa Rica	nav	nav	nav	nav	nav	nav	
Dominican Republic	nav	nav	nav	nav	nav	nav	
Ecuador	nav	nav	4.926	4.799	5.391	5.779	
Guatemala	nav	nav	nav	nav	nav	nav	
Jamaica	nav	nav	nav	nav	nav	nav	
Paraguay	nav	nav	nav	nav	nav	nav	
Peru	nav	nav	nav	nav	nav	nav	
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 10a**  
**Cards issued in the country: increase in the number of cards**  
(% change on previous year)

	Cards with a cash function						Cards with an e-money function						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina		11.162	21.556	4.211	8.574	9.715			nav	nav	nav	nav	215.540
Brazil		3.813	0.544	0.833	-2.357	-2.953			-15.361	19.122	-8.857	-21.170	-16.372
Chile		5.023	4.652	5.190	4.168	1.048			nav	nav	nav	nav	nav
Colombia		5.721	11.025	7.881	11.826	9.326			nav	nav	nav	nav	nav
Costa Rica		0.720	0.021	3.130	0.484	0.981			nav	314.951	89.067	-86.834	71.191
Dominican Republic		nav	nav	nav	nav	nav			12.034	-3.326	-5.508	11.312	0.205
Ecuador		-99.734	67.787.548	49.340	8.208	9.556			-99.734	-59.105	86.163.119	0.471	14.514
Guatemala		nav	nav	nav	nav	nav			nav	nav	nav	nav	nav
Jamaica		11.040	9.086	8.325	-21.604	32.990			nav	nav	nav	nav	nav
Paraguay		19.809	10.292	14.449	0.473	8.429			nav	nav	nav	nav	nav
Peru		nav	nav	nav	nav	nav			nav	nav	nav	nav	nav
Trinidad and Tobago		5.531	3.941	4.825	3.662	3.018			35.331	20.481	13.074	-1.951	4.629

**Table 10a (cont)**

	Cards with a debit function						Cards with a credit function						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina		11.162	21.556	4.211	8.574	9.715			8.652	6.786	10.384	4.842	5.613
Brazil		2.927	3.738	1.320	0.327	1.671			5.056	-0.602	1.924	-8.728	0.864
Chile		10.177	8.049	12.117	5.669	1.929			50.006	6.825	27.776	1.778	-0.598
Colombia		5.721	11.025	7.881	11.826	9.326			8.709	7.603	8.420	8.590	-0.236
Costa Rica		0.720	0.021	3.130	0.484	0.981			16.814	3.199	16.396	8.110	-2.517
Dominican Republic		-0.203	1.131	-0.970	18.328	17.045			12.034	-3.326	-5.508	11.312	0.205
Ecuador		nav	nav	nav	nav	nav			nav	nav	nav	nav	nav
Guatemala		nav	nav	-74.538	349.672	10.856			nav	nav	-25.944	-47.156	205.319
Jamaica		11.040	9.086	8.325	-21.604	32.990			3.022	3.801	1.676	8.149	18.899
Paraguay		19.809	10.292	14.449	0.473	8.429			12.270	7.212	1.387	-2.668	1.722
Peru		nav	nav	nav	nav	nav			nav	nav	nav	nav	nav
Trinidad and Tobago		4.873	3.926	3.804	4.063	3.495			10.517	4.049	12.160	1.001	-0.249

**Table 10a (cont)**

	Cards with a delayed debit function					
	2012	2013	2014	2015	2016	2017
Argentina		0.026	-1.164	0.395	1.596	54.055
Brazil		nav	nav	nav	nav	nav
Chile		nav	nav	nav	nav	nav
Colombia		nav	nav	nav	nav	nav
Costa Rica		nav	nav	nav	nav	nav
Dominican Republic		nav	nav	nav	nav	nav
Ecuador		nav	nav	-2.566	12.337	7.189
Guatemala		nav	nav	nav	nav	nav
Jamaica		nav	nav	nav	nav	nav
Paraguay		nav	nav	nav	nav	nav
Peru		nav	nav	nav	nav	nav
Trinidad and Tobago		nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 10b**  
**Cards issued in the country: number of cards per inhabitant**  
(end of year)

	Cards with a cash function						Cards with an e-money function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	0.643	0.707	0.850	0.876	0.942	1.023	nav	nav	nav	nav	0.043	0.134
Brazil	1.682	1.733	1.727	1.727	1.673	1.612	0.013	0.011	0.013	0.012	0.009	0.008
Chile	0.171	0.177	0.184	0.191	0.197	0.197	nap	nap	nap	nap	nap	nap
Colombia	0.382	0.399	0.438	0.467	0.516	0.558	nav	nav	nav	nav	nav	nav
Costa Rica	1.191	1.184	1.170	1.192	1.183	1.181	nap	0.040	0.165	0.308	0.040	0.068
Dominican Republic	nav	nav	nav	nav	nav	nav	0.223	0.247	0.237	0.222	0.244	0.242
Ecuador	0.176	0.000	0.308	0.452	0.482	0.520	0.176	0.000	0.000	0.157	0.156	0.176
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	0.781	0.865	0.941	1.018	0.797	1.060	nav	nav	nav	nav	nav	nav
Paraguay	0.195	0.230	0.250	0.281	0.279	0.298	nav	nav	nav	nav	nav	nav
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	2.104	2.212	2.291	2.394	2.473	2.543	0.101	0.136	0.163	0.183	0.179	0.187

**Table 10b (cont)**

	Cards with a debit function						Cards with a credit function					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	0.643	0.707	0.850	0.876	0.942	1.023	1.026	1.103	1.165	1.272	1.320	1.379
Brazil	1.470	1.502	1.545	1.552	1.545	1.559	0.768	0.801	0.789	0.798	0.722	0.723
Chile	0.859	0.937	1.001	1.111	1.162	1.173	0.356	0.528	0.559	0.706	0.712	0.700
Colombia	0.382	0.399	0.438	0.467	0.516	0.558	0.233	0.250	0.266	0.285	0.306	0.302
Costa Rica	1.191	1.184	1.170	1.192	1.183	1.181	0.348	0.401	0.409	0.470	0.502	0.484
Dominican Republic	0.341	0.336	0.337	0.330	0.387	0.449	0.223	0.247	0.237	0.222	0.244	0.242
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Guatemala	nav	nav	0.192	0.048	0.210	0.228	nav	nav	0.015	0.011	0.006	0.017
Jamaica	0.781	0.865	0.941	1.018	0.797	1.060	0.077	0.079	0.082	0.083	0.090	0.107
Paraguay	0.195	0.230	0.250	0.281	0.279	0.298	0.185	0.205	0.217	0.216	0.208	0.208
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	1.859	1.942	2.011	2.081	2.158	2.229	0.245	0.270	0.280	0.313	0.315	0.314

**Table 10b (cont)**

	Cards with a delayed debit function					
	2012	2013	2014	2015	2016	2017
Argentina	0.014	0.014	0.013	0.013	0.013	0.020
Brazil	nav	nav	nav	nav	nav	nav
Chile	nav	nav	nav	nav	nav	nav
Colombia	nav	nav	nav	nav	nav	nav
Costa Rica	nav	nav	nav	nav	nav	nav
Dominican Republic	nav	nav	nav	nav	nav	nav
Ecuador	nav	nav	0.307	0.295	0.326	0.344
Guatemala	nav	nav	nav	nav	nav	nav
Jamaica	nav	nav	nav	nav	nav	nav
Paraguay	nav	nav	nav	nav	nav	nav
Peru	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	nav	nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 11**  
**Terminals located in the country: number of terminals**  
(thousands, end of year)

	ATMs						POS terminals					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	12.001	12.856	13.389	13.957	14.902	15.773	375.780	396.577	421.691	433.283	487.192	619.810
Brazil	175.139	182.538	184.446	182.378	180.150	175.580	4,096.585	4,457.152	5,045.797	5,237.225	4,922.623	4,739.069
Chile	9.238	8.856	7.963	7.976	7.725	7.622	nav	nav	nav	nav	nav	nav
Colombia	12.281	13.679	14.424	14.817	15.227	15.709	219.907	298.751	328.774	317.204	364.358	403.512
Costa Rica	2.231	2.341	2.346	2.454	2.647	2.592	123.921	127.697	147.905	146.646	170.400	176.600
Dominican Republic	2.200	2.353	2.452	2.678	2.853	2.972	63.937	66.621	81.401	97.902	104.994	115.416
Ecuador	3.094	3.342	3.814	4.108	4.323	4.433	nav	nav	nav	nav	74.386	80.443
Guatemala	1.904	2.174	2.353	2.464	2.668	2.641	nav	nav	nav	nav	nav	nav
Jamaica	0.424	0.445	0.513	0.526	0.551	0.690	16.565	19.666	22.140	24.425	26.750	29.147
Paraguay	0.854	0.992	1.240	1.307	1.325	1.425	19.172	22.111	26.617	29.275	35.432	39.427
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	0.422	0.446	0.452	0.457	0.473	0.485	11.210	14.505	15.272	15.637	16.427	17.035

**Table 11 (cont)**

	e-money card loading/unloading terminals						e-money card payment terminals					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Brazil	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Costa Rica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 11a**  
**Terminals located in the country: increase in the number of terminals**  
(% change on previous year)

	ATMs						POS terminals					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		7.124	4.146	4.242	6.771	5.845		5.534	6.333	2.749	12.442	27.221
Brazil		4.225	1.045	-1.121	-1.222	-2.537		8.802	13.207	3.794	-6.007	-3.729
Chile		-4.135	-10.084	0.163	-3.147	-1.333		nav	nav	nav	nav	nav
Colombia		11.383	5.446	2.725	2.767	3.165		35.853	10.050	-3.519	14.866	10.746
Costa Rica		4.931	0.214	4.604	7.865	-2.078		3.047	15.825	-0.851	16.198	3.638
Dominican Republic		6.955	4.207	9.217	6.535	4.171		4.198	22.185	20.271	7.244	9.926
Ecuador		8.016	14.123	7.708	5.234	2.545		nav	nav	nav	2.499	5.506
Guatemala		14.181	8.234	4.717	8.279	-1.012		nav	nav	nav	nav	nav
Jamaica		4.953	15.281	2.534	4.753	25.227		18.720	12.580	10.321	9.519	8.961
Paraguay		16.210	24.975	5.403	1.377	7.543		15.334	20.377	9.986	21.032	11.274
Peru		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Trinidad and Tobago		5.687	1.345	1.106	3.501	2.537		29.393	5.288	2.390	5.052	3.701

**Table 11a (cont)**

	e-money card loading/unloading terminals						e-money card payment terminals					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Brazil		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Chile		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Colombia		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Costa Rica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Dominican Republic		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Ecuador		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Guatemala		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Jamaica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Paraguay		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Peru		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Trinidad and Tobago		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 11b**  
**Terminals located in the country: number of terminals per million inhabitants**  
(end of year)

	ATMs						POS terminals					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	287.167	304.205	313.362	323.161	341.421	357.664	8,991.888	9,383.995	9,869.427	10,032.254	11,162.096	14,054.649
Brazil	877.899	908.000	909.636	892.038	874.171	845.513	20,534.467	22,171.246	24,884.460	25,616.040	23,886.836	22,821.188
Chile	529.556	502.281	446.881	442.953	424.640	414.827	nav	nav	nav	nav	nav	nav
Colombia	263.644	290.295	302.632	307.385	312.363	318.695	4,720.876	6,340.070	6,898.063	6,580.531	7,474.362	8,186.221
Costa Rica	479.532	496.694	491.503	507.840	541.268	523.903	26,635.584	27,093.615	30,987.076	30,347.498	34,843.975	35,694.932
Dominican Republic	227.250	240.478	248.091	268.330	283.175	292.256	6,604.405	6,808.705	8,236.062	9,809.581	10,421.194	11,349.597
Ecuador	199.343	211.858	237.967	252.352	261.545	264.231	nav	nav	nav	nav	4,569.489	4,794.845
Guatemala	126.315	140.818	148.861	152.323	161.226	156.049	nav	nav	nav	nav	nav	nav
Jamaica	156.372	163.732	188.378	192.752	201.610	252.562	6,109.219	7,235.835	8,130.004	8,950.493	9,787.779	10,668.741
Paraguay	132.146	151.272	186.264	193.465	193.303	204.921	2,967.262	3,371.140	3,998.208	4,333.342	5,169.132	5,669.925
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	316.059	332.698	335.974	338.602	349.362	357.503	8,395.784	10,820.129	11,351.752	11,585.821	12,133.142	12,556.823

**Table 11b (cont)**

	e-money card loading/unloading terminals						e-money card payment terminals					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Brazil	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Costa Rica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 12**  
**Transactions at terminals: number of cash withdrawals and loading transactions**  
*(millions, total for the year)*

	Cash withdrawals at ATMs located in the country													
	with cards issued outside the country							with cards issued in the country						
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017		
Argentina	4.802	2.869	2.492	2.029	3.447	3.676	675.230	720.134	786.034	882.484	926.109	1,041.240		
Brazil	nav	nav	nav	nav	nav	nav	4,225.614	4,459.181	4,567.502	4,614.521	4,392.540	5,361.071		
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Costa Rica	nav	nav	nav	nav	nav	nav	133.784	133.369	134.935	141.084	149.442	149.248		
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Ecuador	nav	nav	nav	nav	nav	nav	10.149	12.483	13.693	266.606	247.310	268.786		
Guatemala	0.607	0.897	0.982	0.965	0.922	0.723	57.383	66.149	70.749	75.071	79.563	81.880		
Jamaica	nav	nav	nav	nav	nav	nav	41.731	44.383	47.046	50.688	54.589	54.633		
Paraguay	0.303	0.451	0.505	0.539	0.545	0.559	25.982	38.052	42.478	45.215	45.679	46.959		
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	34,166.056	35,097.778	35,208.644	35,313.411	34,324.424	33,335.773		

**Table 12 (cont)**

	Cash withdrawals at ATMs located outside the country							e-money loading/unloading transactions at terminals in the country						
	with cards in the country													
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017		
Argentina	1.180	0.192	0.105	0.152	1.355	2.249	nav	nav	nav	nav	nav	nav		
Brazil	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Costa Rica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Ecuador	neg	nav	nav	nav	nav	0.023	nav	nav	nav	nav	nav	nav		
Guatemala	0.185	0.203	0.205	0.239	0.321	0.283	nav	nav	nav	nav	nav	nav		
Jamaica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Paraguay	0.072	0.108	0.122	0.131	0.134	0.136	nav	nav	nav	nav	nav	nav		
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 12a**  
**Transactions at terminals: increase in the number of cash withdrawals and loading transactions**  
(% change on previous year)

	Cash withdrawals at ATMs located in the country											
	with cards issued outside the country						with cards issued in the country					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		-40.254	-13.140	-18.566	69.848	6.643	6.650	9.151	12.270	4.943	12.432	
Brazil		nav	nav	nav	nav	nav	5.527	2.429	1.029	-4.810	22.049	
Chile		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Colombia		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Costa Rica		nav	nav	nav	nav	nav	-0.310	1.174	4.557	5.925	-0.130	
Dominican Republic		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Ecuador		nav	nav	nav	nav	nav	22.998	9.692	1,847.006	-7.238	8.684	
Guatemala		47.835	9.464	-1.794	-4.404	-21.644	15.276	6.955	6.109	5.983	2.912	
Jamaica		nav	nav	nav	nav	nav	6.356	6.000	7.740	7.697	0.080	
Paraguay		48.990	11.896	6.669	1.221	2.486	46.454	11.633	6.443	1.026	2.803	
Peru		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Trinidad and Tobago		nav	nav	nav	nav	nav	2.727	0.316	0.298	-2.801	-2.880	

**Table 12a (cont)**

	Cash withdrawals at ATMs located outside the country						e-money loading/unloading transactions at terminals in the country					
	with cards in the country											
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		-83.729	-45.313	44.760	791.458	65.968		nav	nav	nav	nav	nav
Brazil		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Chile		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Colombia		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Costa Rica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Dominican Republic		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Ecuador		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Guatemala		9.695	0.629	17.004	33.910	-11.886		nav	nav	nav	nav	nav
Jamaica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Paraguay		50.402	12.835	7.467	1.900	1.387		nav	nav	nav	nav	nav
Peru		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Trinidad and Tobago		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.



**Table 13**  
**Transactions at terminals: value of cash withdrawals and loading transactions**  
(USD millions, total for the year) <sup>(1)</sup>

	Cash withdrawals at ATMs located in the country											
	with cards issued outside the country						with cards issued in the country					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	714.416	336.760	269.761	156.474	344.277	355.199	108,204.299	105,270.789	104,699.018	90,506.612	93,969.664	100,251.541
Brazil	nav	nav	nav	nav	nav	nav	952,962.440	888,972.943	782,013.898	648,661.885	615,973.272	684,000.745
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Costa Rica	nav	nav	nav	nav	nav	nav	13,825.147	14,127.626	13,930.548	14,506.298	14,972.454	14,718.395
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	44,837.119	39,401.307	40,982.295
Guatemala	60.723	78.210	85.311	93.762	92.586	93.563	3,234.154	3,742.139	4,200.420	4,701.710	5,112.779	5,597.440
Jamaica	nav	nav	nav	nav	nav	nav	2,561.502	2,437.562	2,460.832	2,687.616	2,983.965	3,322.298
Paraguay	67.973	81.911	94.388	90.737	89.412	97.236	4,745.972	5,390.129	5,939.799	5,501.298	5,252.627	5,559.661
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	3,095.946	3,370.091	3,599.262	3,807.794	3,727.230	3,668.601

**Table 13 (cont)**

	Cash withdrawals at ATMs located outside the country						e-money loading/unloading transactions at terminals in the country					
	with cards in the country											
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	114.524	23.333	5.156	5.162	65.048	141.639	nav	nav	nav	nav	nav	nav
Brazil	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Costa Rica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Guatemala	25.009	24.613	24.632	30.551	44.572	38.714	nav	nav	nav	nav	nav	nav
Jamaica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Paraguay	14.878	17.140	19.099	17.860	17.195	18.334	nav	nav	nav	nav	nav	nav
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.  
<sup>(1)</sup> Converted at yearly average exchange rates.

**Table 13a**  
**Transactions at terminals: increase in the real value of cash withdrawals and loading transactions**  
(% change on previous year, adjusted by CPI inflation)

	Cash withdrawals at ATMs located in the country											
	with cards issued outside the country						with cards issued in the country					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		-69.150	-23.969	-60.400	211.739	-7.768		-8.765	4.711	-27.957	26.539	-3.831
Brazil		nav	nav	nav	nav	nav		-2.819	-10.535	6.940	-7.215	-1.173
Chile		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Colombia		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Costa Rica		nav	nav	nav	nav	nav		-3.761	1.687	2.598	5.188	1.781
Dominican Republic		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Ecuador		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Guatemala		24.885	3.913	6.466	-6.412	-6.683		11.750	7.029	8.475	3.513	1.465
Jamaica		nav	nav	nav	nav	nav		-1.922	5.071	11.454	16.716	9.004
Paraguay		13.629	15.512	9.613	2.717	3.038		6.878	10.282	5.492	-0.594	0.166
Peru		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Trinidad and Tobago		nav	nav	nav	nav	nav		3.864	0.607	0.610	-0.732	-1.812

**Table 13a (cont)**

	Cash withdrawals at ATMs located outside the country						e-money loading/unloading transactions at terminals in the country					
	with cards in the country											
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		-101.375	-109.939	-12.363	1869.650	120.658		nav	nav	nav	nav	nav
Brazil		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Chile		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Colombia		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Costa Rica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Dominican Republic		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Ecuador		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Guatemala		-5.597	-4.947	20.456	40.397	-20.414		nav	nav	nav	nav	nav
Jamaica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Paraguay		8.464	11.567	6.539	0.270	0.934		nav	nav	nav	nav	nav
Peru		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Trinidad and Tobago		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 14**  
**Transactions at terminals: number of payment transactions**  
*(millions, total for the year)*

	POS transactions at terminals located in the country											
	with cards issued outside the country						with cards issued in the country					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	nav	nav	nav	nav	nav	nav	798.717	848.877	959.288	1,079.289	1,243.198	1,364.553
Brazil	nav	nav	nav	nav	nav	nav	8,359.683	9,633.224	10,860.730	11,727.475	12,699.182	14,777.508
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Costa Rica	nav	nav	nav	nav	nav	nav	196.644	224.587	240.669	268.377	320.745	347.644
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	0.472
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	nav	nav	nav	nav	nav	nav	21.000	22.232	22.078	26.081	29.368	32.695
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	43.781	45.326	45.519	49.578	54.745	56.023

**Table 14 (cont)**

	POS transactions at terminals located outside the country						e-money payment transactions at terminals in the country					
	with cards in the country											
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	1.625	2.881	1.948	3.415	7.694	9.778	nav	nav	nav	nav	nav	nav
Brazil	93.724	108.861	125.778	95.609	88.907	159.220	nav	nav	nav	nav	nav	nav
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Costa Rica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Dominican Republic	3.611	4.473	8.540	11.278	16.339	21.686	nav	nav	nav	nav	nav	nav
Ecuador	nav	nav	nav	nav	nav	8.980	nav	nav	nav	nav	nav	nav
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 14a**  
**Transactions at terminals: increase in the number of payment transactions**  
(% change on previous year)

	POS transactions at terminals located in the country													
	with cards issued outside the country							with cards issued in the country						
	2012	2013	2014	2015	2016	2017	2018	2012	2013	2014	2015	2016	2017	
Argentina	nav	nav	nav	nav	nav	nav	nav	6,280	13,007	12,509	15,187	15,187	9,762	
Brazil	nav	nav	nav	nav	nav	nav	nav	15,234	12,742	7,981	8,286	16,366	16,366	
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Costa Rica	nav	nav	nav	nav	nav	nav	nav	14,209	7,161	11,513	19,513	8,386	8,386	
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Jamaica	nav	nav	nav	nav	nav	nav	nav	5,867	-0,692	18,131	12,602	11,327	11,327	
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	nav	3,529	0,425	8,918	10,422	2,334	2,334	

**Table 14a (cont)**

	POS transactions at terminals located outside the country						e-money payment transactions at terminals in the country						
	with cards in the country												
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017	
Argentina		77,292	-32,385	75,308	125,300	27,086		nav	nav	nav	nav	nav	nav
Brazil		16,151	15,540	-23,986	-7,010	79,086		nav	nav	nav	nav	nav	nav
Chile		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav
Colombia		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav
Costa Rica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav
Dominican Republic		23,882	90,911	32,055	44,883	32,722		nav	nav	nav	nav	nav	nav
Ecuador		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav
Guatemala		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav
Jamaica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav
Paraguay		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav
Peru		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav
Trinidad and Tobago		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table 15**  
**Transactions at terminals: value of payment transactions**  
(USD millions, total for the year) <sup>(1)</sup>

	POS transactions at terminals located in the country											
	with cards issued outside the country						with cards issued in the country					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	nav	nav	nav	nav	nav	nav	41,648,087	41,268,527	46,969,929	45,089,301	53,010,105	60,481,841
Brazil	nav	nav	nav	nav	nav	nav	359,884,743	383,509,417	400,585,553	310,787,082	317,447,374	385,090,890
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Costa Rica	nav	nav	nav	nav	nav	nav	9,628,971	9,983,524	10,208,945	12,685,863	13,961,156	14,929,982
Dominican Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	nav	nav	nav	nav	nav	nav	1,479,388	1,429,897	1,630,454	1,975,540	2,258,353	2,697,187
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	2,550,579	2,759,722	2,834,555	3,191,802	3,302,743	3,298,847

**Table 15 (cont)**

	POS transactions at terminals located outside the country						e-money payment transactions at terminals in the country					
	with cards in the country											
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina	114,016	254,117	155,982	266,716	339,000	458,000	nav	nav	nav	nav	nav	nav
Brazil	10,784,210	10,813,863	11,098,791	7,371,027	6,209,287	8,307,055	nav	nav	nav	nav	nav	nav
Chile	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Colombia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Costa Rica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Dominican Republic	685,335	748,078	1,090,912	1,282,449	1,491,801	1,664,298	nav	nav	nav	nav	nav	nav
Ecuador	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Guatemala	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Jamaica	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Paraguay	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Trinidad and Tobago	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.  
<sup>(1)</sup> Converted at yearly average exchange rates.

**Table 15a**  
**Transactions at terminals: increase in the real value of payment transactions**  
(% change on previous year, adjusted by CPI inflation)

	POS transactions at terminals located in the country													
	with cards issued outside the country							with cards issued in the country						
	2012	2013	2014	2015	2016	2017	2018	2012	2013	2014	2015	2016	2017	
Argentina		nav	nav	nav	nav	nav	nav	-6.598	25.991	-17.061	48.440	4.475		
Brazil		nav	nav	nav	nav	nav	nav	11.856	7.431	-0.666	0.279	8.234		
Chile		nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap		
Colombia		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Costa Rica		nav	nav	nav	nav	nav	nav	-2.277	5.622	22.591	12.157	10.866		
Dominican Republic		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Ecuador		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Guatemala		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Jamaica		nav	nav	nav	nav	nav	nav	-0.231	19.504	24.049	20.225	17.305		
Paraguay		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Peru		nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav		
Trinidad and Tobago		nap	nap	nap	nap	nap	nap	3.207	-3.462	7.387	5.115	-0.333		

**Table 15a (cont)**

	POS transactions at terminals located outside the country						e-money payment transactions at terminals in the country					
	with cards in the country											
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Argentina		142.451	-51.717	68.490	63.637	28.023		nav	nav	nav	nav	nav
Brazil		4.905	5.450	-16.504	-18.400	19.669		nav	nav	nav	nav	nav
Chile		nap	nap	nap	nap	nap		nap	nap	nap	nap	nap
Colombia		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Costa Rica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Dominican Republic		12.193	50.288	19.254	17.201	10.873		nav	nav	nav	nav	nav
Ecuador		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Guatemala		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Jamaica		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Paraguay		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Peru		nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
Trinidad and Tobago		nap	nap	nap	nap	nap		nav	nav	nav	nav	nav

Notes:  
Please refer to the individual country tables for a detailed explanation.

**Table PS1**  
**Features of selected interbank funds transfer systems**  
(at end-2016, except as noted)

System	Type	Settlement	Owner/ manager	Processing	Membership	Degree of centralisation	Pricing	Closing time for same day transactions	Settlement finality	Cut-off third- party orders	Standard money market hours opening	closing
<b>Argentina</b>												
MEP	L	RTGS	CB	RTT	*	C	0	19:30	RTGS	19:30	8:00	20:00
INTERBANKING	L	MN	CB	RTT	O	C	F	18:45	19:15	18:00	0:05	18:15
ALADI	L,R	MN,BN	PA	RTT	R	C	S	18:30	18:30	16:30	09:00	16:30
SML	L	BN	CB	RTT	R	C	S	16:00	16:00	12:00	09:00	12:00
COELSA	R	MN	B	ACH	*	C	F,V	18:00	RTGS	18:00	9:00	18:00
LINK	L,R	MN	nap	ACH	O	C	V	17:00	Intraday	17:00	0:00	24:00
BANELCO	R	RTGS, MN	B	RTT, ACH	nav	C	nav	17:00	RTGS	17:00	0:00	23:59
<b>Brazil</b>												
STR	L	RTGS	CB	RTT	O <sup>(1)</sup>	C	F	18:30	Real time	17:30	06:30	18:30
SITRAF	R	MN, BN, G	PA <sup>(2)</sup>	RTT	O <sup>(1)</sup>	C	F	17:00	Intraday <sup>(6)</sup>	17:00	nap	nap
BmfBovespa-FX	L	MN	Other <sup>(4)</sup>	ACH	O <sup>(5)</sup>	C	F	10:00	T+2: 14:05 <sup>(7)</sup>	nap	nap	nap
SILOC	R	MN	PA <sup>(2)</sup>	ACH	O <sup>(1)</sup>	C	F	nap	T+1: 08:20; 16:10	21:59	nap	nap
COMPE	R	MN	B	ACH	O <sup>(1)</sup>	C	F	nap	T+1: 09:00; 17:15 <sup>(8)</sup>	nap	nap	nap
<b>Chile</b>												
RTGS	L, R	RTGS	CB	RTT	R	C	F	17:30	18:15	17:15	9:00	17:30
CGVA COMBANC	L, R	MN	PA	ACH	R	C	nav	16:30	16:30	17:15	9:00	16:30
<b>Colombia</b>												
CUD	L	RTGS	CB	RTT	O	C	F	20:00	REAL TIME	20:00	7:00	20:00
CEDEC	R	MN	CB	ACH	O	D	F	20:30	REAL TIME	20:30	7:00	20:30
CENIT	R	MN	CB	ACH	O	C	F	18:30	*	19:30	8:30	18:30
ACH-Colombia	R	MN	PA	ACH	O	C	F	18:30	*	18:30	7:00	18:30
<b>Costa Rica</b>												
SINPE	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CCD	R	MN	CB	ACH	O	C	V	19:00	21:00	nav	10:00	21:00
CLC	R	MN	CB	ACH	O	C	V	nap	12:00	nav	12:00	11:15 <sup>(2)</sup>
TFT	L	RTGS	CB	RTT	O	C	V	00:00	00:00	nap	00:00	00:00
DTR	L	RTGS	CB	RTT	O	C	V	00:00	00:00	nap	00:00	00:00
LSE <sup>(1)</sup>	L	MN	CB	ACH	O	C	F	nap	15:00	nav	08:00	15:00
ILI	L	BN	CB	ACH	O	C	F	nap	14:00	nav	08:00	14:00
CDD	R	MN	CB	ACH	O	C	V	19:00	21:00	nav	10:00	00:00
TFI	L	RTGS	CB	RTT	O	C	V	00:00 <sup>(1)</sup>	00:00	nav	00:00	00:00
COV	R	MN	CB	ACH	O	C	V	nap	12:00	nav	12:00	11:15 <sup>(2)</sup>
TVA	L	RTGS	CB	RTT	O	C	V	08:00	18:00	nav	08:00	18:00
CAN	L	RTGS	CB	RTT	O	C	F	18:00	18:00	nav	07:00	18:00
<b>Dominican Republic</b>												
RTGS-DR	L, R	RTGS	CB	RTT	O	C	0	17:00	RTGS	17:00	9:00	17:00
Cheque Clearinghouse -DR	R	MN	CB	ACH	R	C	0	9:00	INTRADAY	17:00 (DAY BEFORE)	11:00 (DAY BEFORE)	23:00 (DAY BEFORE)
Direct debits and credits*	R	MN	PA	ACH	O	C	F, V	10:45 15:45	INTRADAY	08:00 13:00	08:00 08:01	08:00 13:00
ATH ATMs*	R	MN	PA	ACH	O	C	F, V	0	INTRADAY	nav	nav	nav
ATH POS*	R	MN	PA	ACH	O	C	F, V	0	INTRADAY	nav	nav	nav
Mobile payments*	R	MN	PA	ACH	O	C	F, V	15:50	INTRADAY	nav	nav	nav
FX trading	L	MN	PA	ACH	O	C	F, V	13:30 15:40	INTRADAY	13:00 15:00	8:30	15:00
Collection payments*	R	MN	PA	ACH	O	C	F, V	14:00	INTRADAY	nav	nav	nav
Cards, VISA *	R	MN	PA	ACH	O	D	F, V	9:15	INTRADAY	nav	nav	nav
Cards, Mastercard *	R	MN	PA	ACH	O	D	F, V	10:30	INTRADAY	nav	nav	nav

<b>Ecuador</b>													
SPI-BCE	L, R	BN	CB	ACH	O	C	F	15:00 <sup>(1)</sup>	INTRADAY	15:00 <sup>(1)</sup>	8:30	17:30	
SCI-BCE	L, R	BN	CB	ACH	O	C	F	15:00	INTRADAY	15:00	8:30	17:30	
CCC-BCE	L, R	BN	CB	ACH	O	C	F	12:00 <sup>(2)</sup>	INTRADAY	12:00 <sup>(2)</sup>	8:30	22:30	
SPL-BCE	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
<b>Guatemala</b>													
RTGS	L	RTGS	CB	RTT	O	C	V	18:00	REAL TIME	17:30	7:00	18:00	
CCB	L, R	MN	PA	ACH	O	C	V	nap	INTRADAY	no	0:01	14:30	
CCA	L, R	MN	PA	ACH	O	C	F	14:15	INTRADAY	no	0:01	17:00	
<b>Jamaica</b>													
JamClear-RTGS	L, R	RTGS	CB	RTT	R	C	V	16:45	REAL TIME	16:20	7:30	16:45	
Automated Clearing House	R	MN	B	ACH	R	C	V	13:00	INTRADAY	nap	nap	nap	
MultiLink	R	MN	B	ACH	R	C	V	00:00	INTRADAY	nap	nap	nap	
<b>Paraguay</b>													
SIPAP	L, R	RTGS, MN, BA	CB	ACH, RTT	R	C	O	17:30	REAL TIME	17:30	8:30	18:15	
<b>Peru</b>													
RTGS-Peru	L	RTGS	CB	RTT	nav	C	nav	nav	REAL TIME	nav	nav	nav	
CCE	R	MN	PA	ACH	nav	C	nav	nav	REAL TIME	nav	nav	nav	
<b>Trinidad and Tobago</b>													
Safe-tt	L	RTGS	CB	RTT	O	C	F	03:15 <sup>(1)</sup>	REAL TIME	14:45	8:30	15:30	
LINX (Debit Card)	R	MN	B	ACH	O	C	F	nap	REAL TIME	nap	nap	nap	
ACH	R	MN	CB, B	ACH	O	C	F	nap	REAL TIME	nap	nap	nap	
Cheques	L+R	MN	CB	M2	O	D	O	nap	REAL TIME	nap	nap	nap	



**Table PS2**  
**Payments processed by selected interbank funds transfer systems: number of transactions**  
(total for the year)

System	Number of transactions (millions)						Increase in the number of transactions (% change on previous year)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
MEP	1.531	1.635	1.718	1.815	1.918	2.136		6.793	5.076	5.646	5.675	11.366
INTERBANKING	34.493	38.466	42.664	47.170	53.158	63.103	11.519	10.913	10.562	12.695	18.708	
ALADI	neg	0.005	0.005	0.004	0.003	0.003		nav	2.240	-30.982	-12.225	-13.832
SML	0.008	0.009	0.009	0.011	0.009	0.008		20.160	1.749	18.036	-16.309	-7.721
COELSA	162.158	165.591	175.318	180.691	189.602	202.966		2.117	5.874	3.065	4.932	7.048
LINK	345.499	388.308	442.860	515.792	533.976	622.928		12.391	14.049	16.468	3.526	16.658
PRISMA MEDIOS DE PAG	986.292	1,018.211	1,113.761	1,250.575	1,400.704	1,548.422		3.236	9.384	12.284	12.005	10.546
<b>Brazil</b>												
STR	23.030	30.413	36.502	42.538	69.585	74.603		32.058	20.021	16.536	63.583	7.211
SITRAF	115.502	175.680	226.941	294.100	411.311	534.585		52.101	29.179	29.593	39.854	29.971
BmfBovespa-FX	0.040	0.035	0.029	0.032	0.024	0.024		-12.928	-15.049	9.374	-25.632	-0.481
SILOC	4,183.598	5,075.709	5,877.518	6,582.292	7,613.382	11,427.202		21.324	15.797	11.991	15.665	50.094
COMPE	1,030.379	887.384	799.735	711.600	694.330	517.537		-13.878	-9.877	-11.021	-2.427	-25.462
<b>Chile</b>												
RTGS	337.599	349.879	383.942	380.932	338.696	318.204		3.637	9.736	-0.784	-11.088	-6.050
CCVA COMBANC	1,273.487	1,350.223	1,426.515	1,483.470	1,499.263	1,526.212		6.026	5.650	3.993	1.065	1.797
<b>Colombia</b>												
CUD	2.016	1.690	1.847	1.805	1.863	1.933		-16.202	9.319	-2.251	3.192	3.736
CEDEC	29.489	26.166	23.854	20.900	18.094	13.472		-11.268	-8.838	-12.383	-13.427	-25.543
CENIT	9.472	9.724	11.611	10.828	11.196	11.755		2.658	19.408	-6.745	3.398	4.992
ACH-Colombia	116.021	126.051	135.774	147.917	158.970	174.498		8.645	7.713	8.944	3.793	9.768
<b>Costa Rica</b>												
SINPE	22.949	26.337	29.452	33.419	37.760	42.442		14.765	11.827	13.470	12.989	12.399
TFT <sup>(1)</sup>	5.172	6.376	7.428	8.702	10.600	12.186		23.266	16.504	17.149	21.816	14.961
CCD	11.056	13.529	15.410	17.529	19.544	21.792		22.374	13.906	13.750	11.496	11.502
DTR	1.070	1.268	1.711	2.428	3.413	4.640		18.511	34.962	41.865	40.611	35.943
CDD	0.149	0.192	0.241	0.288	0.348	0.449		29.104	25.135	19.671	20.752	29.077
CLC	5.161	4.660	4.337	4.171	3.598	2.781		-9.694	-6.949	-3.825	-13.724	-22.712
COV	0.026	0.020	0.016	0.013	0.011	0.013		-23.872	-18.828	-16.372	-17.429	-18.697
LSE <sup>(2)</sup>	0.016	0.016	0.016	0.015	0.015	0.014		-2.604	-0.551	-5.951	-0.370	-1.204
ILI	0.068	0.061	0.063	0.063	0.049	0.040		-10.665	4.784	-0.968	-22.429	-17.016
Sinpe móvil	nav	nav	nav	0.026	0.130	0.363		nav	nav	nav	399.766	178.812
<b>Dominican Republic</b>												
RTGS-DR	0.301	0.372	0.480	0.800	1.322	2.088		23.588	29.032	66.667	65.276	57.898
Cheque Clearinghouse -DR	11.264	10.949	10.508	10.451	10.059	9.513		-2.795	-4.036	-0.538	-3.746	-5.435
Direct debits and credits	1.951	2.430	2.663	2.924	4.486	6.802		24.591	9.577	9.796	53.429	51.614
ATH	nav	nav	9.563	4.302	2.789	2.523		nav	nav	-55.014	-35.167	-9.535
Mobile payments	3.225	5.162	5.914	6.950	8.090	9.870		60.051	14.565	17.519	16.404	22.012
FX trading	nav	nav	nav	0	0	0		nav	nav	nav	0	0
Collection payments	nav	nav	nav	4.668	4.436	4.784		nav	nav	nav	-4.975	7.833
<b>Ecuador</b>												
SPI-BCE	38.562	43.933	47.427	51.330	57.165	62.469		13.929	7.954	8.229	11.368	9.279
SCI	5.859	9.844	15.491	19.758	30.768	42.212		68.015	57.365	27.545	55.724	37.196
CCC	42.696	41.220	39.230	35.272	31.428	31.233		-3.457	-4.828	-10.090	-10.898	-0.620
SPL	0.994	1.149	0.942	0.804	0.717	0.862		15.594	-18.016	-14.650	-10.821	20.223
<b>Guatemala</b>												
RTGS	0.093	0.098	0.099	0.101	0.099	0.101		5.376	1.020	2.020	-1.980	2.020
CCB	22.627	22.052	21.034	20.112	18.974	17.494		-2.541	-4.616	-4.383	-5.658	-7.800
CCA	0.651	0.933	1.460	2.157	2.976	4.104		43.318	56.484	47.740	37.969	37.903
<b>Jamaica</b>												
JamClear-RTGS	0.221	0.256	0.294	0.341	0.527	0.719		16.162	14.585	16.027	54.878	36.345
Automated Clearing House	9.265	9.408	9.232	9.338	9.922	9.990		1.548	-1.873	1.151	6.247	0.688
Multilink	10.122	10.467	10.873	11.478	12.353	12.759		3.408	3.879	5.565	7.625	3.287
<b>Paraguay</b>												
SIPAP	nav	0.021	0.366	0.784	1.368	2.434		nav	1,656.612	114.584	74.336	77.996
<b>Peru</b>												
RTGS-Peru	0.696	0.741	0.829	0.787	0.802	0.853		6.415	11.967	-5.138	1.939	6.449
CCE	13.526	14.883	16.533	18.174	20.493	24.784		10.039	11.085	9.921	12.761	20.942
<b>Trinidad and Tobago</b>												
Safe-tt	0.053	0.057	0.060	0.060	0.062	0.066		7.067	4.770	0.489	2.380	6.424
LINX (Debit Card)	29.461	31.776	32.900	34.110	35.882	36.886		7.857	3.538	3.679	5.195	0.011
ACH	3.408	3.625	3.885	4.118	4.261	4.426		6.356	7.195	5.979	3.493	3.865
Cheques	9.746	9.209	8.886	8.911	8.320	8.061		-5.512	-3.503	0.282	-6.629	-3.117

**Table PS3**  
**Payments processed by selected interbank funds transfer systems: value of transactions**  
(total for the year) <sup>(1)</sup>

System	Value of transactions (USD millions)						Average value per transaction (USD thousands)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
MEP	1,492,504.307	1,626,201.469	1,559,578.409	2,003,518.404	2,109,804.964	2,768,855.316	974.856	994.619	907.787	1,103.867	1,100.003	1,296.281
INTERBANKING	790,077.980	879,550.570	850,372.181	1,000,460.560	915,137.256	1,049,769.026	22.906	22.866	19.932	21.210	17.215	16.636
ALADI	20.216	146.000	99.376	64.985	32.509	14.018	nav	28.689	19.100	18.097	10.314	5.161
SML	256.217	220.643	123.019	85.495	53.437	48.458	33.651	24.117	13.215	7.781	5.811	5.710
COELSA	341,384.353	352,194.370	375,192.045	335,534.577	264,136.709	303,709.095	2.105	2.127	2.140	1.857	1.393	1.496
LINK	76,831.786	93,708.698	91,488.190	117,130.674	103,997.994	140,289.292	0.222	0.241	0.207	0.227	0.195	0.225
PRISMA MEDIO DE PAGO	98,106.059	106,011.166	98,302.241	121,176.386	106,361.933	132,080.777	0.099	0.104	0.088	0.097	0.076	0.085
<b>Brazil</b>												
STR	86,347,755.634	109,421,521.999	113,277,194.987	83,545,793.854	89,879,150.519	92,884,398.243	3,749.360	3,597.854	3,103.315	1,964.027	1,291.645	1,245.049
SITRAF	1,554,490.287	1,615,641.727	1,647,164.565	1,237,583.561	1,247,815.590	1,468,621.102	13.459	9.197	7.258	4.208	3.034	2.747
BmIBovespa-FX	510,748.361	523,717.221	352,642.105	325,998.418	302,587.588	320,197.445	12,840.939	15,121.913	11,986.068	10,130.781	12,644.168	13,444.636
SILCOS	762,997.553	1,104,499.571	1,402,972.084	1,032,752.731	1,036,377.616	1,285,942.583	0.182	0.218	0.239	0.157	0.153	0.113
COMPE	574,154.251	519,702.047	469,096.912	311,848.530	299,885.824	253,468.039	0.557	0.586	0.587	0.438	0.432	0.490
<b>Chile</b>												
RTGS	4,260,696.064	4,669,766.854	4,642,254.733	4,355,092.402	4,226,735.993	4,500,579.281	0.013	0.013	0.012	0.011	0.012	0.014
CCVA COMBANC	1,722,191.952	1,900,571.268	1,719,092.050	1,654,027.123	1,632,100.718	1,832,079.212	0.001	0.001	0.001	0.001	0.001	0.001
<b>Colombia</b>												
CUD	5,216,493.939	4,509,924.729	4,381,319.456	3,695,452.246	4,196,068.016	4,572,578.317	2,587.201	2,669.245	2,372.077	2,046.827	2,252.209	2,365.918
CEDEC	181,320.515	160,107.550	146,474.127	103,905.741	87,773.233	70,800.881	6.149	6.119	6.140	4.972	4.851	5.255
CENIT	73,757.528	79,251.995	81,805.686	63,686.842	58,878.801	65,411.050	7.787	8.150	7.046	5.882	5.259	5.565
ACH-Colombia	262,755.525	292,208.130	309,269.845	253,461.330	240,299.725	273,892.716	2.265	2.318	2.278	1.714	1.512	1.570
<b>Costa Rica</b>												
SINPE	385,873.508	450,844.566	437,460.399	510,666.197	552,376.380	564,956.507	16.815	17.118	14.853	15.281	14.629	13.311
TFT <sup>(1)</sup>	62,033.744	68,421.471	73,957.281	79,767.190	90,466.465	91,793.874	11.993	10.731	9.956	9.167	8.534	7.533
CCD	19,293.166	22,966.344	24,426.500	27,618.439	30,160.310	30,867.996	1.745	1.698	1.585	1.576	1.543	1.416
DTR	9,710.457	17,433.699	26,106.757	34,634.492	47,675.014	54,881.559	9.077	13.750	15.257	14.267	13.967	11.827
CDD	1,682.007	1,578.223	1,367.079	1,170.920	1,274.143	1,279.955	11.288	8.204	5.679	4.065	3.663	2.850
CLC	15,727.662	14,465.270	13,340.916	12,771.665	11,343.764	8,682.207	3.048	3.104	3.076	3.062	3.152	3.122
COV	3,941.558	1,988.788	1,046.615	1,112.099	1,171.082	1,281.221	153.023	101.422	65.755	83.547	106.549	98.208
LSE <sup>(2)</sup>	1,211.917	1,151.785	1,123.584	1,178.961	1,137.880	1,074.721	75.679	73.847	72.438	80.817	78.291	74.846
ILI	1,017.298	1,123.334	1,168.072	1,288.203	1,409.396	1,467.993	15.014	18.558	18.416	20.509	28.926	36.307
Sinpe móvil	nav	nav	nav	1,450	7,783	18,876	nav	nav	nav	0.056	0.060	0.052
<b>Dominican Republic</b>												
RTGS-DR	428,739.463	439,854.347	394,036.846	381,269.460	426,388.445	588,030.535	1,424.384	1,182.404	820.910	476.587	322.483	281.659
Cheque Clearinghouse-DR	33,561.625	31,741.665	29,641.968	27,941.642	25,562.460	24,209.660	2.979	2.899	2.821	2.674	2.541	2.545
Direct debits and credits	11,419.724	11,080.914	11,499.865	10,677.622	12,618.639	14,998.963	5.854	4.559	4.318	3.652	2.813	2.205
ATH	nav	nav	434.715	278.417	220.944	224.766	nav	nav	0.045	0.065	0.079	0.089
Mobile payments	37.880	59.484	71.721	92.239	127.915	194.235	0.012	0.012	0.013	0.013	0.016	0.020
FX trading	nav	nav	366.057	139.511	0	0	nav	nav	nav	nav	nav	nav
Collection payments	nav	nav	nav	213.139	209.061	243.577	nav	nav	nav	0.046	0.047	0.051
<b>Ecuador</b>												
SPI-BCE	49,426.079	59,287.461	67,755.510	88,330.068	92,754.245	99,647.499	1.282	1.350	1.429	1.721	1.623	1.595
SCI	2,189.484	2,972.519	11,215.378	13,213.355	13,368.563	14,118.460	0.374	0.302	0.724	0.669	0.434	0.334
CCC	65,105.371	67,167.664	67,784.558	62,013.807	54,074.726	55,403.751	1.525	1.629	1.728	1.758	1.721	1.774
SPL	56,683.074	67,256.667	78,805.487	89,064.523	90,115.637	94,565.862	57.025	58.535	63.658	110.777	125.684	109.705
<b>Guatemala</b>												
RTGS	98,877.912	131,621.434	161,754.553	152,311.459	158,716.990	201,424.526	1,063.203	1,343.076	1,633.884	1,508.034	1,603.202	1,994.302
CCB	52,903.418	56,493.737	61,945.527	55,991.175	40,491.580	37,202.969	2.338	2.562	2.945	2.784	2.134	1.727
CCA	5,146.402	6,394.589	8,681.639	12,024.745	15,506.606	19,465.859	7.905	6.854	5.946	5.575	5.214	4.423
<b>Jamaica</b>												
JamClear-RTGS	149,762.747	140,967.472	131,224.982	134,616.223	150,827.980	227,857.121	679.165	550.336	447.095	395.296	285.969	316.855
Automated Clearing House	13,766.594	11,598.296	10,137.593	9,903.959	8,901.143	8,193.953	1.486	1.233	1.098	1.061	0.897	0.820
Multilink	630.972	600.935	594.196	622.320	679.890	748.755	0.062	0.057	0.055	0.054	0.055	0.059
<b>Paraguay</b>												
SIPAP	nav	38,683.121	423,296.174	322,789.060	283,908.320	352,157.703	nav	1,858.693	1,157.857	411.464	207.589	144.662
<b>Peru</b>												
RTGS-Peru	1,190,424.291	1,132,249.260	1,247,158.912	972,295.558	934,154.772	1,006,114.765	1,710.687	1,529.002	1,504.167	1,236.171	1,165.087	1,178.817
CCE	81,258.415	83,830.329	85,027.670	74,220.590	72,232.123	75,578.439	6.008	5.632	5.143	4.084	3.525	3.049
<b>Trinidad and Tobago</b>												
Safe-tt	76,899.664	84,699.171	89,136.003	93,394.702	79,119.226	78,392.838	1,438.479	1,479.798	1,486.418	1,549.862	1,282.446	1,193.975
LINX (Debit Card) <sup>(1)</sup>	1,718.649	1,928.580	2,047.248	2,156.234	2,182.348	2,138.375	0.058	0.061	0.062	0.063	0.061	0.060
ACH <sup>(2)</sup>	2,840.102	3,139.997	3,579.572	4,299.022	4,040.732	3,959.093	0.833	0.866	0.921	1.044	0.948	0.894
Cheques <sup>(3)</sup>	36,262.169	38,727.216	39,137.492	39,573.013	29,297.447	27,681.763	3.721	4.206	4.404	4.441	3.521	3.434

**Table PS4**  
**Participation in selected interbank funds transfer systems**  
(end of year)

System	Total number of participants						of which: direct participants					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
MEP	96	98	94	94	94	94	66	67	66	66	64	64
INTERBANKING	110,047	120,050	131,051	140,051	153,554	178,854	47	50	51	51	54	54
ALADI	300	300	299	298	280	277	14	14	14	14	14	14
SML	50	51	52	53	53	44	3	3	3	3	3	4
COELSA	65	64	63	63	68	70	65	64	63	63	68	70
LINK	32	33	34	34	34	36	32	33	34	34	34	36
PRISMA MEDIOS DE PAGC	14	14	15	15	15	17	14	14	15	15	15	17
<b>Brazil</b>												
STR	171	169	172	181	187	198	171	169	172	181	187	198
SITRAF	99	99	102	101	101	97	99	99	102	101	101	97
BmBovespa-FX	71	76	76	77	80	72	71	76	76	77	80	72
SILOC	121	119	122	122	120	113	121	119	122	122	120	113
COMPE	136	131	129	119	118	111	136	131	129	119	118	111
<b>Chile</b>												
RTGS	26	25	25	27	26	23	26	25	25	27	26	23
CCVA COMBANC	21	21	21	21	17	17	21	21	21	21	17	17
<b>Colombia</b>												
CUD	158	160	150	146	142	139	158	160	150	146	142	139
CEDEC	24	25	25	26	25	25	24	25	25	26	25	25
CENIT	38	40	37	39	41	41	38	40	37	39	41	41
ACH-Colombia	20	21	20	20	20	23	20	21	20	20	20	23
<b>Costa Rica</b>												
SINPE	70	69	69	72	71	75	70					
<b>Dominican Republic</b>												
RTGS-DR	81	84	90	89	89	89	81	84	90	89	89	89
Cheque Clearinghouse -DR	49	48	46	47	46	48	49	48	46	47	46	48
Direct debits and credits	18	21	25	25	25	25	18	21	25	25	25	25
ATH	24	27	26	26	25	26	21	24	23	23	22	22
Mobile payments	19	22	31	31	31	32	8	11	11	11	11	11
FX trading	nap	9	9	9	9	9	nap	9	9	9	9	9
Collection payments	nap	nap	19	22	38	39	nap	nap	8	8	13	14
Cards, VISA	24	24	24	26	26	26	22	22	21	23	23	23
Cards, Mastercard	10	11	11	11	13	13	9	10	10	9	11	11
<b>Ecuador</b>												
Large-value payment system	1	1	462	482	507	508	1	1	403	427	463	464
Retail payment system	0	0	0	44	48	36	0	0	0	44	48	36
<b>Guatemala</b>												
RTGS	26	26	26	26	27	28	26	0	0	0	0	0
CCB	19	19	19	18	19	19	19	19	19	18	19	19
CCA	19	19	19	18	19	20	19	19	19	18	19	20
<b>Jamaica</b>												
JamClear-RTGS	26	26	23	24	24	24	24	24	21	22	22	22
Automated Clearing House	8	8	8	8	7	9	8	8	8	8	7	9
Multilink	7	7	7	7	7	8	7	7	7	7	7	8
<b>Paraguay</b>												
SIPAP	nav	37	37	36	36	36	nav	37	37	36	36	36
<b>Peru</b>												
RTGS-Peru	58	58	58	56	51	51	58	58	58	56	51	51
CCE	22	23	24	24	27	30	22	23	24	24	27	30
<b>Trinidad and Tobago</b>												
Safe-t	25	25	25	25	25	25	nap	nap	nap	nap	nap	nap
LINX (Debit Card)	7	7	7	7	7	8	7	7	7	7	7	8
ACH	8	9	9	9	9	9	8	9	9	9	9	9
Cheques	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

**Table PS4 (cont)**

**Participation in selected interbank funds transfer systems**  
(end of year)

System	Concentration ratio in terms of volume						Concentration ratio in terms of value					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
MEP												
ARS	30.7%	30.7%	30.7%	30.7%	30.7%	30.7%	52%	52%	52%	54%	52%	55%
USD	39.8%	53.0%	66.1%	68.5%	53.1%	49.8%	59%	49%	42%	60%	51%	49%
EURO	70.6%	70.0%	71.4%	92.3%	97.8%	96.9%	91%	100%	99%	100%	100%	100%
INTERBANKING												
ARS	59.4%	59.7%	59.7%	59.2%	59.7%	60.2%	59%	59%	59%	62%	58%	57%
USD	76.0%	94.8%	93.2%	90.0%	67.8%	67.9%	80%	87%	86%	92%	70%	70%
ALADI	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
SML	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
COELSA	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
LINK	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
PRISMA MEDIOS DE PAG	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Brazil</b>												
STR	47%	46%	48%	51%	65%	59%	53%	58%	60%	58%	62%	59% #
SITRAF	76%	79%	81%	82%	82%	84%	80%	81%	82%	82%	82%	84% #
BmiBovespa-FX	45%	48%	47%	26%	26%	22%	55%	58%	62%	41%	41%	41% #
SILOC	85%	84%	85%	84%	83%	80%	84%	82%	82%	82%	82%	83% #
COMPE	81%	79%	79%	78%	69%	79%	80%	80%	80%	79%	69%	79% #
<b>Chile</b>												
RTGS	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CCVA COMBANC	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Colombia</b>												
CUD	35%	21%	21%	33%	29%	33%	35%	35%	36%	38%	32%	37%
CEDEC	nav	nav	nav	nav	nav	nav	70%	70%	72%	72%	72%	73%
CENIT	77%	81%	80%	87%	90%	89%	94%	92%	91%	92%	94%	94%
ACH-Colombia	68%	69%	69%	67%	66%	69%	76%	69%	70%	70%	85%	91%
<b>Costa Rica</b>												
SINPE	nav	nav	nav	nav	nav	nav	23%	20%	20%	17%	16%	16%
<b>Dominican Republic</b>												
RTGS-DR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Cheque Clearinghouse -DR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Direct debits and credits	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
ATH	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mobile payments	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
FX trading	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Collection payments	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Ecuador</b>												
SPI-BCE	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
SCI	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CCC	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
SPL	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Guatemala</b>												
RTGS												
GTQ	55%	53%	52%	51%	51%	54%	81%	87%	80%	77%	82%	85%
USD	58%	57%	58%	57%	59%	57%	79%	79%	78%	69%	73%	78%
CCB												
GTQ	83%	83%	83%	83%	88%	88%	83%	85%	87%	85%	83%	84%
USD	78%	78%	78%	79%	83%	84%	86%	85%	86%	90%	92%	84%
CCA												
GTQ	89%	88%	84%	83%	87%	87%	89%	88%	84%	83%	87%	88%
USD	85%	84%	81%	78%	81%	80%	96%	94%	87%	83%	85%	85%
<b>Jamaica</b>												
JamClear-RTGS	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Automated Clearing House	48%	47%	46%	45%	45%	44%	96%	96%	96%	96%	96%	96%
Multilink	52%	53%	54%	55%	55%	56%	4%	5%	6%	6%	7%	8%
<b>Paraguay</b>												
SIPAP	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Peru</b>												
RTGS-Peru	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CCE	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Trinidad and Tobago</b>												
Safe-tt	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
LINX (Debit Card)	99%	99%	99%	99%	99%	99%	15%	99%	99%	99%	99%	99%
ACH	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Cheques	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

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Notes:

**PS1:**

**Argentina:** \* System's operations are open to financial institutions. However, to other agencies require authorization. The ATM Network processed clients transfers in real time and gross terms. For financial entities the settlement is made by the clearing house by multilateral netting.  
**Brazil:** <sup>(1)</sup> Any financial institution holding a reserve account or a settlement account at the Central Bank of Brazil. The system is owned by CIP, a not-for-profit association owned by banks. Any bank holding a reserve account at the Central Bank of Brazil. The system is owned by BM&F BOVESPA, which is a for-profit company. <sup>(2)</sup> Any bank authorised by the Central Bank of Brazil to carry out FX transactions and holding a reserve account at the Central Bank of Brazil. Payments become final at the moment settlement is completed by the system, which occurs throughout the day. T and T+1 are also possible, but the relevant volume and value are very low. The time of settlement finality depends on the value of the cleared documents.  
**Colombia:** \* Multiple settlements per day at CUD  
**Costa Rica:** <sup>(1)</sup> Restricted only to entities with legal reserves, operations 24 hours, rest closes at 18:00. Next business day.  
**Dominican Republic:** \* These systems are available 24 hours a day to end users, regardless of whether their settlement is deferred until the next bank business day.  
**Ecuador:** <sup>(1)</sup> 3 daily cuts in the SPI system to processing: 1) 9:00 - 11:00 2) 13:00 - 15:00 3) 17:00 - 8:00 (t + 1). \* 15:00\* in Table SP1 as this is closing time for same day transactions. PAs for CCC, these can be loaded until 22:00 to be settled at 12:00 (t+1).  
**Trinidad y Tobago:** <sup>(1)</sup> For Bank to Bank transactions.

**PS2:**

**Costa Rica:** <sup>(1)</sup> Funds Transactions (credit) in real time. <sup>(2)</sup> Settlement to ATH and Pension Operator are included.

**PS3:**

**Costa Rica:** <sup>(1)</sup> Funds Transactions (credit) in real time. <sup>(2)</sup> Settlement to ATH and Pension Operator are included.  
**Trinidad y Tobago:** <sup>(1)</sup> Data contains estimates. <sup>(2)</sup> Estimated value.

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**Table TRS1**  
**Features of selected exchanges and trading systems**  
(at end-2016, except as noted)

System	Owner/ manager	Market/ products	Trading	Operating times	Relationship with CCP
<b>Argentina</b>					
SIOPEL	O	SEC, B, G, DER, O	ELT	9:30 - 18:00	INT
MaTBA	O	DER	FLT, ELT	10:30 - 17:30 <sup>(1)</sup> 11:30 - 18:00 <sup>(2)</sup>	INT
MILLENNIUM	O	SEC, B, C, G, E, DER, O	FLT, ELT	11:00-17:00	INT
SICOLP*	O	SEC, B, G, E, O	ELT	10:00-16:00	INT
ROFEX	B/O	SEC, B, G, DER, E	FLT, ELT	10:00-17:30	INDEP
SEN	O	SEC, B, C, G, E, O	ELT	10:30-17:00	INT
<b>Brazil</b>					
BmfBovespa-Equities	SE	SEC, E, O, DER	ELT	10:00 - 17:00 <sup>(1)</sup>	INT <sup>(2)</sup>
BmfBovespa-Clearinghouse	SE	DER	ELT	9:00 - 18:00 <sup>(3)</sup>	INT <sup>(2)</sup>
BmfBovespa-Derivatives	SE	DER	ELT	9:00 - 18:00 <sup>(3)</sup>	INT <sup>(2)</sup>
<b>Chile</b>					
Bolsa de Comercio de Santiago (Chile)	O	SEC, B, C, G, E, DER	FLT, ELT	09:00 a 16:00	DEP
Bolsa Electrónica de Chile (Chile)	O	SEC, B, C, G, E	ELT	09:30 a 16:00	INDEP
Bolsa de Valores de Valparaiso (Chile)	O	SEC, B, C, G, E	FLT, ELT	09:00 a 16:30	nap
<b>Colombia</b>					
SEN	CB	G	ELT	8:00 - 15:45	INDEP
MEC	SE	G, B, O	ELT	8:00 - 17:00	INDEP
Sistema de Negociación y Registro -BVC	SE	E, DER	ELT	8:00 - 16:00	INDEP
<b>Costa Rica</b>					
MONEX	CB	O	ELT	08:00 - 16:30	INT
MIL <sup>(1)</sup>	CB	O	ELT	08:00 - 18:00	INT
LIM	SE	O	ELT	08:00 - 14:30	PAR
MEN	CB	O	ELT	08:00 - 18:00	INT
<b>Dominican Republic</b>					
nap	nap	nap	nap	nap	nap
<b>Ecuador</b>					
BVQ	SE	SEC, B, C, G, E, O	FLT, ELT	09:30 - 16:00	INDEP
BVG	SE	SEC, B, C, G, E, O	FLT, ELT	09:30 - 16:00	INDEP
<b>Guatemala</b>					
SINEDI	B	O	ELT	09:00 - 18:30	INT
MEBD	B	C	ELT	09:00 - 17:00	INT
SEL	B	SEC,B	ELT	09:00 - 18:30	INT
<b>Jamaica</b>					
Avvento	O	B, E	nav	09:00-13:00	PAR
<b>Paraguay</b>					
DEPO BCP	BC	B,G,O	ELT	8:30	INDEP
<b>Peru</b>					
MILLENNIUM SOR	SE	SEC, B, C, G, E, O	ELT	08:20 - 15:10*09:00 - 16:10**	nav
<b>Trinidad and Tobago</b>					
TTSE	SE	G,E,O	ELT	Pre-Open: 08:00 - 9:30; Open: 09:30 - 12:00 Pre-Close: 12:00 - 14:00; Close: 14:00 - 08:00	nav
GSS	CB	G	ELT <sup>(1)</sup>	08:30 - 15:15	nav

**Table TRS2**  
**Trades executed on selected exchanges and trading systems: number of transactions**  
(total for the year)

System	Number of transactions (millions)						Increase in the number of transactions (% change on previous year)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
ByMA <sup>(1)</sup>	2.560	3.187	3.806	4.185	4.708	6.043	24.517	19.394	9.978	12.492	28.360	
ROFEX	51.069	51.185	107.807	3,071.562	113.369	150.162	0.227	110.624	2,749.135	-96.309	32.454	
MaTBA <sup>(2)</sup>	0.338	0.253	0.238	0.251	0.279	0.284	-24.947	-6.188	5.624	11.192	1.867	
MAE <sup>(3)</sup>	0.124	0.150	0.175	0.098	0.136	0.199	21.657	16.364	-44.087	39.527	45.978	
MAE (Argenclear)	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
MAE (c.r.y.l.)	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
MAV	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
CRyL	nav	nav	0.050	0.069	0.513	400.688	nav	nav	38.164	639.819	78,065.790	
<b>Brazil</b>												
BmBovespa-Equities <sup>(1)(2)</sup>	193.086	220.600	228.132	244.846	261.859	262.645	14.250	3.414	7.326	6.948	0.300	
BmBovespa-Clearinghouse	24.534	31.751	44.328	72.366	118.805	145.408	29.417	39.611	63.253	64.172	22.392	
<b>Chile</b>												
DCV-Chile <sup>(1)</sup>	1,682.571	1,695.435	1,642.463	1,653.041	1,708.098	1,755.195	0.765	-3.124	0.644	3.331	2.757	
<b>Colombia <sup>(1)</sup></b>												
SEN	0.246	0.164	0.258	0.193	0.151	0.306	-33.540	57.946	-25.182	-22.089	103.088	
MEC	0.519	0.440	0.419	0.387	0.410	0.000	-15.319	-4.591	-7.639	5.848	-100.000	
BOLSA DE VALORES DE COLOMBIA	0.816	0.658	0.664	0.620	0.649	0.597	-19.393	0.898	-6.607	4.745	-8.118	
<b>Costa Rica</b>												
BNV	120.572	98.866	90.048	96.423	89.441	84.587	-18.003	-8.919	7.080	-7.241	-5.427	
<b>Dominican Republic</b>												
CEVALDOM	19.236	29.045	53.589	94.021	147.611	193.288	50.993	84.503	75.448	56.998	30.944	
<b>Ecuador</b>												
BVQ	0.007	0.007	0.009	0.008	0.011	0.010	-5.800	26.475	-7.915	32.377	-4.454	
BVG	0.007	0.007	0.010	0.008	0.011	0.012	4.101	39.927	-18.058	29.914	12.684	
<b>Guatemala</b>												
Sistema de Liquidación de Valores	0.001	0.001	0.001	0.001	0.001	0.001	53.834	-4.781	-2.778	2.418	2.897	
MEBD	0.003	0.004	0.004	0.003	0.003	0.003	33.642	-15.575	-7.215	-6.510	4.285	
SEL	0.010	0.010	0.010	0.009	0.006	0.003	-3.821	-1.518	-4.396	-39.786	-40.305	
<b>Jamaica</b>												
JCSD	24.562	25.643	20.716	30.181	46.332	67.074	4.401	-19.214	45.689	53.514	44.768	
<b>Paraguay</b>												
DEPO BCP	nav	neg	0.004	0.011	0.009	0.021	nav	961.976	212.941	-18.559	131.538	
BVPASA	0.003	0.003	0.003	0.005	0.008	0.006	-1.603	17.238	52.127	45.129	-17.160	
<b>Peru</b>												
Sistema de Liquidación Multibancaria de Valores	0.276	0.214	0.200	0.110	0.144	0.176	-22.385	-6.525	-44.980	30.828	22.548	
<b>Trinidad and Tobago</b>												
TTSE	0.009	0.014	0.014	0.013	0.012	0.013	59.391	-2.382	-9.703	-4.966	5.049	
GSS	0.002	0.001	0.001	0.001	0.002	0.002	-58.699	24.681	29.693	59.298	-17.401	

**Table TRS3**  
**Trades executed on selected exchanges and trading systems: value of transactions**  
(total for the year)

System	Value of transactions (USD thousand millions)						Value of transactions as a percentage of GDP (in %)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
ByMA <sup>(1)(2)</sup>	53.459	67.457	76.851	81.263	90.283	154.867	9.223	11.039	13.629	12.642	16.279	24.275
ROFEX	55.177	57.154	70.745	82.350	119.494	159.074	9.519	9.353	12.546	12.811	21.546	24.935
MaTBA	11.268	9.315	6.753	4.921	6.600	6.729	1.944	1.524	1.198	0.766	1.190	1.055
MAE <sup>(3)</sup>	124.005	147.936	147.304	160.411	273.003	537.722	21.393	24.209	26.123	24.956	49.225	84.287
MAE (Argenclear)	273.383	315.906	314.189	nav	nav	nav	47.163	51.697	55.719	nav	nav	nav
MAE (c.r.y.l.)	0.098	1.389	1.272	nav	nav	nav	0.017	0.227	0.226	nav	nav	0.588
MAV	1.647	1.919	2.426	3.953	3.830	3.750	0.284	0.314	0.430	0.615	0.691	0.588
CRYL	nav	nav	1,423.597	1,792.496	2,904.087	3,284.115	nav	nav	252.465	278.866	523.636	514.782
<b>Brazil</b>												
BmfBovespa-Equities <sup>(1)(2)</sup>	1,329.810	1,339.850	1,087.299	724.026	758.048	575.774	38.579	41.703	36.699	35.924	40.649	28.021
BmfBovespa-Clearinghouse	24,762.525	25,233.607	20,061.918	17,952.442	16,797.660	21,194.738	718.386	785.402	677.148	890.748	900.738	1,031.476
<b>Chile</b>												
DCV-Chile <sup>(1)(2)</sup>	1,767.373	1,949.922	1,877.516	1,718.846	1,824.495	2,389.563	662.009	700.050	720.071	704.581	729.557	863.080
<b>Colombia <sup>(1)</sup></b>												
SEN	816.655	572.034	782.788	564.715	442.575	711.320	220.539	149.809	205.283	192.741	156.431	226.192
MEC	635.251	607.609	518.798	343.924	338.060	0	171.551	159.125	136.053	117.384	119.489	0
Sistema de Negociación y Registro -BVC	61.343	66.783	67.746	55.805	55.277	56.092	16.566	17.490	17.766	19.047	19.538	17.837
<b>Costa Rica</b>												
BNV	60.662	59.019	50.976	54.691	49.601	47.089	141.192	124.741	109.090	106.146	91.212	85.917
<b>Dominican Republic</b>												
Sistema de Liquidación de Valores	9.966	16.756	21.886	28.525	37.886	44.111	16.406	26.715	33.084	41.406	52.268	57.913
<b>Ecuador</b>												
BVQ	1.719	1.215	2.790	1.671	3.956	2.793	1.956	1.277	2.743	1.683	4.012	2.711
BVG	2.035	2.507	4.767	3.376	4.378	3.821	2.314	2.635	4.687	3.400	4.440	3.708
<b>Guatemala</b>												
Sistema de Liquidación de Valores <sup>(1)</sup>	40.128	65.498	50.787	51.585	70.232	97.275	79.734	121.817	86.607	81.046	102.473	128.918
MEBD <sup>(1)</sup>	61.429	68.702	64.919	62.762	72.187	62.214	122.057	127.775	110.707	98.606	105.326	82.452
SEL	25.017	29.850	33.887	46.189	22.132	15.342	49.708	55.518	57.788	72.568	32.292	20.333
<b>Jamaica</b>												
JCSD	0.745	0.172	0.138	0.615	0.440	0.454	5.049	1.214	0.993	4.351	3.133	3.082
<b>Paraguay</b>												
DEPO BCP	nav	4.240	25.824	38.930	55.687	142.533	nav	14.594	83.873	143.857	203.310	482.603
BVPASA	0.133	0.136	0.200	0.518	0.588	0.525	0.539	0.469	0.649	1.915	2.147	1.776
<b>Peru</b>												
Sistema de Liquidación Multibancaria de Valores	16.492	15.734	19.987	10.770	14.874	29.850	22.473	20.953	27.931	17.830	25.652	45.202
<b>Trinidad and Tobago</b>												
TTSE	0.333	0.497	0.363	0.662	0.700	0.650	1.294	1.861	1.328	2.701	3.125	2.931
GSS	nav	nav	nav	4.794	4.863	3.870	nav	nav	nav	19.574	21.721	17.460



**Table TRS4**  
**Participation in selected exchanges and trading systems**  
(end of year)

System	Total number of participants					
	2012	2013	2014	2015	2016	2017
<b>Argentina</b>						
SIOPEL	74	73	69	72	88	99
MERCADO ARGENTINO DE VALORES S.A.	39	37	70	92	134	151
MaTBA	94	100	85	72	77	73
ByMA	134	132	200	205	229	249
ROFEX <sup>(1)</sup>	157	159	180	185	177	205
CRyL	nap	nap	nap	162	337	327
<b>Brazil</b>						
BmFBovespa-Equities <sup>(1)(2)(3)</sup>	83	76	72	98	88	85
BmFBovespa-Clearinghouse	66	60	58	86	72	68
<b>Chile</b>						
All Chilean Stock Exchanges <sup>(1)(2)</sup>	49	49	47	45	43	39
<b>Colombia</b>						
SEN	48	46	41	30	30	31
MEC	115	113	107	107	108	0
Bolsa de Valores de Colombia S.A.	115	36	33	31	31	1
<b>Costa Rica</b>						
BNV	77	77	75	73	68	73
<b>Dominican Republic</b>						
nap	nap	nap	nap	nap	nap	nap
<b>Ecuador</b>						
BVQ	42	39	40	39	39	39
BVG	43	40	41	41	41	39
<b>Guatemala</b>						
SINEDI	nav	nav	nav	nav	19	16
MEBD	nav	nav	nav	nav	20	20
SEL	nav	nav	nav	nav	16	16
<b>Jamaica</b>						
JCSD	10	10	12	12	13	13
<b>Paraguay</b>						
DEPO BCP	nav	31	31	29	29	29
<b>Peru</b>						
MILLENIUM SOR	25	24	25	24	24	23
<b>Trinidad and Tobago</b>						
TTSE	7	7	7	7	6	6
GSS	16	16	16	16	16	16

**Table TRS5**  
**Securities listed in selected exchanges and trading systems**  
(end of year)

System	Number of securities listed					
	2012	2013	2014	2015	2016	2017
<b>Argentina</b>						
MAE	1,349	1,369	1,414	1,477	1,405	1,422
MaTBA <sup>(1)</sup>	337,693	253,449	237,766	251,139	279,247	284,461
ROFEX	0.018	0.018	0.088	0.151	0.022	0.031
ByMA <sup>(2)</sup>	1,015	1,005	1,044	1,036	0,974	0,960
CRYL	nav	nav	nav	192,000	155,000	1,538,000
<b>Brazil</b>						
BmfBovespa-Equities <sup>(1)(2)</sup>	1,163	1,157	1,205	1,224	1,262	1,260
BmfBovespa-Clearinghouse	nav	nav	nav	nav	nav	nav
<b>Chile</b>						
Bolsa de Comercio de Santiago (Chile)	0.355	0.363	0.364	0.358	0.349	0.352
<b>Colombia</b>						
SEN	1,778	0,671	0,521	0,369	0,292	0,253
MEC	0,178	0,168	0,198	0,202	0,198	nav
Bolsa de Valores de Colombia	0,272	0,442	0,492	0,488	0,476	0,405
<b>Costa Rica</b>						
nav	nav	nav	nav	nav	nav	nav
<b>Dominican Republic</b>						
CEVALDOM	0,094	0,082	0,068	0,113	0,096	0,150
<b>Ecuador</b>						
Ecuadorian Stock Exchanges	0,687	0,775	0,819	0,741	0,615	0,544
<b>Guatemala</b>						
SCVN	0,012	0,011	0,014	0,011	0,011	0,018
<b>Jamaica</b>						
JCSD	0,036	0,036	0,036	0,075	0,088	0,097
<b>Paraguay</b>						
DEPO BCP	nav	0,006	0,030	0,011	0,045	0,047
BVPASA	0,138	0,105	0,089	0,172	0,140	0,066
<b>Peru</b>						
MILLENIUM SOR	0,728	0,696	0,665	0,669	0,697	0,699
<b>Trinidad and Tobago</b>						
TTSE	0,111	0,135	0,163	0,062	0,057	0,056
GSS	0,168	0,165	0,161	0,168	0,150	0,192

Table TRS5 (cont)

System	Market capitalisation (USD millions)					
	2012	2013	2014	2015	2016	2017
<b>Argentina</b>						
MERVAL	34,285.970	53,104.790	59,526.692	56,059.054	63,789.238	109,775.663
<b>Brazil</b>						
BmfBovespa-Equities <sup>(1)(2)</sup>	1,229,849.655	1,027,729.989	841,860.625	488,379.146	757,312.732	955,552.063
BmfBovespa-Clearinghouse	nap	nap	nap	nap	nap	nap
<b>Chile</b>						
Bolsa de Comercio de Santiago (Chile)	307,743	266,006	233,042	190,625	209,857	294,327
<b>Colombia</b>						
Bolsa de Valores de Colombia	273,721	215,663	152,190	88,488	103,770	121,932
<b>Costa Rica</b>						
BNV	1,651.859	2,189.605	2,141.619	2,001.964	2,354.287	nav
<b>Dominican Republic</b>						
nap	nap	nap	nap	nap	nap	nap
<b>Ecuador</b>						
BVG	3,753.000	3,721.000	7,547.000	6,614.515	6,071.032	6,837.885
BVG	5,892.568	6,345.334	7,284.459	6,846.996	6,076.891	6,764.727
<b>Guatemala</b>						
SCVN	23.078	23.078	23.076	26.915	26.914	29.913
<b>Jamaica</b>						
Entity A	6,364.628	4,625.752	2,587.941	5,111.772	5,430.137	9,308.282
<b>Paraguay</b>						
BVPASA	1,145.449	1,193.763	1,122.360	1,282.872	1,295.966	1,652.742
<b>Peru</b>						
BVL	153,404.192	120,653.386	120,884.412	90,603.639	124,006,862.553	162,379.814
<b>Trinidad and Tobago</b>						
TTSE	11,889.949	14,778.868	14,911.880	14,943.739	13,415.044	12,617.327

Notes:

**TRS1:**

**Argentina:** \* Schedule on offers entry and ending depends on each issuer.<sup>(1)</sup> March-October. <sup>(2)</sup> November-February.  
**Brazil:** <sup>(1)</sup> Regular operating time, which is changed to 10:00-18:00 during the daylight saving time.<sup>(2)</sup> BmfBovespa. <sup>(3)</sup> General operating time. There are specific operating times for specific markets and products.  
**Costa Rica:** <sup>(1)</sup> Collateral loan, collateral is pre-deposited in a Central Bank trust.  
**Peru:** \* From the second Sunday in March to the first Sunday in November. \*\* From the first Sunday of November to the second Sunday in March.  
**Trinidad and Tobago:** <sup>(1)</sup> The Government Securities System is CSD for Government Securities.

**TRS2:**

**Argentina:** <sup>(1)</sup> Data expressed in market value, face value data not available. Government securities (national, Equities, Lebacks), negotiable debt securities and trust debt securities issued by financial trusts included. Value of executed operations includes total sales plus net increase of own portfolio.  
**Brazil:** <sup>(1)</sup> In August, 28th 2017, BmfBovespa-Derivatives incorporated the products settled by BmfBovespa-Equities and are now referred as BM&FBOVESPA Clearinghouse. BmfBovespa-Equities are now acting only as a CSD and are now referred as BmfBovespa Central Securities Depository.  
**Chile:** <sup>(1)</sup> Annual transactions in DCV, both stock and extra-stock market.  
**Colombia:** <sup>(1)</sup> Transactions volume includes all executed transactions regardless their issued term.

**TRS3:**

<sup>(1)</sup> Converted at yearly average exchange rates.  
**Chile:** <sup>(1)</sup> Data refer to annual transactions in DCV.  
**Colombia:** <sup>(1)</sup> Transactions volume includes all executed transactions regardless their issued term.  
**Guatemala:** <sup>(1)</sup> Term deposits, Banco de Guatemala.

**TRS4:**

**Argentina:** <sup>(1)</sup> Participants refers to ALyCs ROFEX and those authorized by interconnection.  
**Brazil:** <sup>(1)</sup> Figures until August, 25th 2017. <sup>(2)</sup> In August, 28th 2017, BmfBovespa-Derivatives incorporated the products settled by BmfBovespa-Equities and are now referred as BmfBovespa-Clearinghouse. BmfBovespa-Equities are now acting only as a CSD and are now referred as BmfBovespa Central Securities Depository.  
**Chile:** <sup>(1)</sup> Comder, Contraparte Central S.A. began to operated during 2015. Brokerage houses, registered for each year in CMF, are included.

**TRS5:**

<sup>(1)</sup> Converted at end of year exchange rates.  
**Argentina:** <sup>(1)</sup> The total number of listed securities equal to the number of executed contract transactions since there is not data on ISIN codes for each contract. Refers to the number of companies / issuers of each type of trading.  
**Brazil:** <sup>(1)</sup> In August, 28th 2017, BmfBovespa-Derivatives incorporated the products settled by BmfBovespa-Equities and are now referred as BM&FBOVESPA Clearinghouse. BmfBovespa-Equities are now acting only as a CSD and are now referred as BmfBovespa Central Securities Depository.

**Table CCP1**  
**Features of selected central counterparties and clearing houses**  
(at end-2016, except as noted)

Entity	CCP or clearing house	Owner/ manager	Relationship with exchange	Relationship with CSD	Intraday margining	Products/ markets cleared	Currencies	Securities settlement agent	Cash settlement agent	Links to other CCPs
<b>Argentina</b>										
MatBA	CCP	CCP (MatBA)	nav	nav	P <sup>(1)</sup>	DER	USD	CCP	CCP	nav
ByMA	CCP, CH	CCP, CH	INDEP	INDEP	P	SEC, DER	ARS, USD	CCP, CH	B	nav
Argentina Clearing	CCP	O (ROFEX)	INDEP	INDEP	nav	SEC, DER	ARS, USD	CSD (CVSA/BCRA)	O	MERVAL/MAE (interconnection agreements)
MAV	CCP, CH	CCP	INDEP	INDEP	nav	SEC	ARS, USD	CSD (CVSA)	CB	nav
MAE	CCP, CH	O	INT	INDEP	P	SEC, DER, REP	ARS, USD	CSD, CB	CB	nav
<b>Brazil</b>										
BmfBovespa-Equities	CCP	SE	INT <sup>(1)</sup>	INT <sup>(1)</sup>	ROUTINE	SEC, DER	BRL	CSD <sup>(1)</sup>	CB	nav
BmfBovespa-Derivatives	CCP	SE	INT <sup>(1)</sup>	nav	ROUTINE, EVENT: P, S	DER	BRL	nav	CB	nav
BmfBovespa-Securities	CCP	SE	INT <sup>(1)</sup>	INDEP <sup>(2)</sup>	EVENT: P	SEC, REP	BRL	CSD <sup>(2)</sup>	CB	nav
CETIP	CH	O	nav	INT <sup>(3)</sup>	nav	SEC, DER	BRL	CSD <sup>(3)</sup>	CB	nav
<b>Chile</b>										
CCLV Contraparte Central ComDer	CCP, CH	SE	DEP	INDEP	S, P	SEC, DER, REP	CLP, USD	DCV	CB	nav
	CCP	O	INDEP	INDEP	P	DER	CLP, USD	nav	CB	nav
<b>Colombia</b>										
CRCC	CCP	B, SE, O	INDEP	INDEP	P	SEC, DER, REP	COP	DCV, DECEVAL	CB	0
CCDC	CH	B, SE, O	INDEP	INDEP	P	*	COP, USD	nav	CB, B	0
<b>Costa Rica</b>										
Bolsa Nacional de Valores (BNV)	CH	SE	INT	nav	nav	nav	nav	nav	nav	nav
<b>Dominican Republic</b>										
nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Ecuador</b>										
DCV-BCE	CH	CB	nav	nav	P	SEC	USD	DCV-BCE	CB	nav
DECEVALE	CH	SE	nav	nav	P	SEC	USD	DECEVALE	CB	nav
<b>Guatemala</b>										
nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Honduras</b>										
nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Jamaica</b>										
Jamaica Central Securities De	nav	CB	nav	nav	nav	B, E	JMD	nav	O	nav
<b>Paraguay</b>										
BVPASA	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Peru</b>										
nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Trinidad and Tobago</b>										
nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

**Table CCP2**  
**Transactions cleared by selected central counterparties and clearing houses: number of transactions**  
(total for the year)

System	Number of transactions (millions)						Increase in the number of transactions (% change on previous year)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
MAE	0.549	0.410	0.223	0.245	0.192	0.116		-25.213	-45.722	9.975	-21.800	-39.691
MaTBA	0.338	0.253	0.238	0.251	0.279	0.284		-24.947	-6.188	5.624	11.192	1.867
ByMA	2.070	2.620	3.287	3.559	4.081	5.297		26.566	25.427	8.296	14.664	29.779
ROFEX	51.216	51.260	107.856	3,071.562	113.369	150.162		0.087	110.410	2,747.826	-96.309	32.454
<b>Brazil</b>												
BmBovespa-Equities <sup>(1) (3)</sup>	193.086	220.600	228.132	244.846	260.474	168.684		14.250	3.414	7.326	6.383	-35.240
BmBovespa-Clearinghouse <sup>(1) (2)</sup>	712.342	703.203	637.527	701.326	794.112	1,860.641		-1.283	-9.340	10.007	13.230	134.305
BmBovespa-Securities	neg	neg	neg	0	0	0		-77.778	-98.077	-100.000	nap	nap
CETIP <sup>(3)</sup>	30.474	86.046	116.942	310.381	405.716	413.075		182.362	35.907	165.413	30.716	1.814
<b>Chile</b>												
CCLV <sup>(1) (2)</sup>	2.687	2.859	2.932	3.365	3.847	4.897		6.371	2.572	14.776	14.306	27.297
ComDer <sup>(2)</sup>	nap	nap	nap	nap	0.013	0.013		nap	nap	nap	nap	-1.331
<b>Colombia</b>												
CRCC	2.556	2.918	3.556	3.997	5.167	11.227		14.193	21.850	12.392	29.267	117.293
CCDC	0.331	0.329	0.351	0.430	0.532	0.394		-0.745	6.733	22.437	23.634	-25.814
<b>Costa Rica</b>												
BNV	0.121	0.099	0.091	0.097	0.090	0.084		-17.695	-8.766	7.031	-7.350	-6.007
BCCR - Traspaso Valores												
<b>Dominican Republic</b>												
nap	nap	nap	nap	nap	nap	nap		nap	nap	nap	nap	nap
<b>Ecuador</b>												
DCV-BCE	0.001	0.002	0.004	0.004	0.005	0.006		8.696	139.015	0.515	38.448	12.562
DECEVALE	0.013	0.013	0.015	0.012	0.016	0.016		-2.211	19.503	-16.848	28.857	1.129
<b>Guatemala</b>												
nav	nav	nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
<b>Jamaica</b>												
CSD	0.013	0.016	0.015	0.017	0.025	0.024		21.731	-5.158	15.876	45.967	-3.356
JCSD	24.562	25.643	20.716	30.181	46.332	67.074		4.401	-19.214	45.689	53.514	44.768
<b>Paraguay</b>												
BVPSA	2.807	2.629	3.244	4.942	7.225	5.857		-6.341	23.393	52.343	46.196	-18.934
<b>Peru</b>												
nap	nap	nap	nap	nap	nap	nap		nap	nap	nap	nap	nap
<b>Trinidad and Tobago</b>												
TTSE	0.009	0.012	0.012	0.012	0.013	0.013		32.665	0.161	-1.950	8.605	4.897

**Table CCP3**  
**Transactions cleared by selected central counterparties and clearing houses: value of transactions**  
(total for the year)

System	Value of transactions (USD thousand millions)						Value of transactions as a percentage of GDP (in %)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
MAE	11.268	9.315	6.753	4.921	6.600	6.729	1.944	1.524	1.198	0.766	1.190	1.055
MaTBA	0.210	0.328	0.278	0.320	0.232	0.276	0.036	0.054	0.049	0.050	0.042	0.043
ByMA	52.834	66.557	76.263	80.691	89.654	154.303	9.115	10.892	13.525	12.553	16.166	24.187
ROFEX	55.177	57.154	70.745	82.350	119.494	159.074	9.519	9.353	12.546	12.811	21.546	24.935
<b>Brazil</b>												
BmiBovespa-Equities <sup>(1)(2)</sup>	1,329.810	1,339.850	1,087.299	724.026	758.048	575.774	38.579	41.703	36.699	35.924	40.649	28.021
BmiBovespa-Clearinghouse <sup>(1)(2)</sup>	24,822.095	25,359.758	20,157.493	18,048.638	16,915.419	21,588.243	720.114	789.328	680.373	895.521	907.053	1,050.626
BmiBovespa-Securities	20.527	1.784	0.008	0.000	0.000	0.000	0.596	0.056	0.000	0.000	0.000	0.000
CETIP <sup>(2)</sup>	8,981.366	9,391.473	9,105.012	8,267.232	6,656.878	7,943.936	260.558	292.312	307.320	410.196	356.961	386.604
<b>Chile</b>												
CCLV <sup>(1)</sup>	696.481	783.282	725.301	597.927	602.076	710.416	260.883	281.209	278.170	245.099	240.751	256.593
ComDer <sup>(1)</sup>	nap	nap	nap	nap	665.197	637.071	nap	nap	nap	nap	265.991	230.102
<b>Colombia</b>												
CRCC	265.181	328.761	348.048	611.278	1,263.299	2,743.200	71.613	86.098	91.274	208.634	446.520	872.307
CCDC	245.943	266.783	279.479	272.462	312.698	271.243	66.417	69.867	73.292	92.993	110.525	86.252
<b>Costa Rica</b>												
BNV	60.927	59.178	51.807	56.217	51.482	48.586	141.810	125.077	110.869	109.108	94.670	88.648
BCCR - Traspaso Valores	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dominican Republic</b>												
nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
<b>Ecuador</b>												
DCV-BCE	1.482	2.031	4.386	3.266	6.692	4.918	1.685	2.135	4.312	3.289	6.786	4.773
DECEVALE	2.272	1.691	3.171	1.781	1.643	1.696	2.585	1.777	3.118	1.793	1.666	1.646
<b>Guatemala</b>												
nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Jamaica</b>												
CSD	22.641	54.033	32.672	31.482	43.557	32.213	153.470	380.761	235.823	222.749	310.050	218.556
JCSD	0.745	0.172	0.138	0.615	0.440	0.454	5.049	1.214	0.993	4.351	3.133	3.082
<b>Paraguay</b>												
BVPSA	0.121	0.127	0.181	0.464	0.571	0.478	0.491	0.436	0.588	1.716	2.083	1.617
<b>Peru</b>												
nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
<b>Trinidad and Tobago</b>												
TTSE	0.474	0.451	0.435	0.406	0.621	1.000	1.844	1.688	1.592	1.657	2.773	4.513

**Table CCP4**  
**Participation in selected central counterparties and clearing houses**  
(end of year)

System	Total number of participants					
	2012	2013	2014	2015	2016	2017
<b>Argentina</b>						
MaTBA <sup>(1)</sup>	94	100	85	72	77	73
ByMa	134	132	200	205	229	249
ARGENTINA CLEARING S.A. <sup>(2)</sup>	134	134	134	134	134	134
MERCADO ARGENTINO DE VALORES S.A.	39	39	39	39	39	39
ARGENCLEAR S.A.	nav	nav	nav	nav	nav	nav
MAE	nav	nav	nav	nav	nav	nav
<b>Brazil</b>						
BmfBovespa-Equities <sup>(1)(2)</sup>	88	80	79	70	68	62
BmfBovespa-Clearinghouse <sup>(1)(2)</sup>	74	70	69	58	57	56
BmfBovespa-Securities	62	58	54	43	40	38
CETIP	558	598	699	700	698	749
<b>Chile</b>						
CCLV	25	29	31	34	33	32
ComDer <sup>(1)</sup>	nap	nap	nap	13	12	12
<b>Colombia</b>						
CRCC	29	31	31	32	36	37
CCDC	40	40	36	35	35	36
<b>Costa Rica</b>						
BNV	24	23	28	28	28	28
<b>Dominican Republic</b>						
nap	nap	nap	nap	nap	nap	nap
<b>Ecuador</b>						
DCV-BCE	1	1	1	1	1	1
DECEVALE	1	1	1	1	1	1
<b>Guatemala</b>						
nav	nav	nav	nav	nav	nav	nav
<b>Jamaica</b>						
nap	10	10	12	12	13	13
<b>Paraguay</b>						
BVPSA	nap	nap	nap	nap	nap	nap
<b>Peru</b>						
CCE	22	23	24	24	27	30
<b>Trinidad and Tobago</b>						
TTSE	5	5	5	5	5	5

Notes:

**CCP1:**

**Argentina:** <sup>(1)</sup> By intraday margining we refer to daily differences.

**Brazil:** <sup>(1)</sup> BM&F BOVESPA, <sup>(2)</sup> SELIC, <sup>(3)</sup> CETIP.

**Colombia:** \* FX transactions.

**Ecuador:** DCV-BCE es público. DECEVALE es privado.

**CCP2:**

**Brazil:** <sup>(1)</sup> In August, 28th 2017, BmfBovespa-Derivatives incorporated the products settled by BmfBovespa-Equities and are now referred as BM&FBOVESPA CLEARING HOUSE. Exchange-traded transactions in the vast majority <sup>(3)</sup> BmfBovespa-Equities are now acting only as a CSD and are now referred as BmfBovespa Central Securities Depository.

**Chile:** <sup>(1)</sup> Data refer to annual transactions in the stock market in CCLV <sup>(2)</sup> Data referes to one of the counterpart.

**CCP3:**

**Brazil:** <sup>(1)</sup> In August, 28th 2017, BmfBovespa-Derivatives incorporated the products settled by BmfBovespa-Equities and are now referred as BM&FBOVESPA CLEARING HOUSE. Exchange-traded transactions in the vast majority <sup>(3)</sup> BmfBovespa-Equities are now acting only as a CSD and are now referred as BmfBovespa Central Securities Depository.

**Chile:** <sup>(1)</sup> Operations accepted operations. Both the buying and selling part of the transaction is considered.

**CCP4:**

**Argentina:** <sup>(1)</sup> The number of cleared members match with the total number of participants since MaTBA gathers market and CCP <sup>(2)</sup> Clearing Members refers to ALyC of Argentina Clearing (ALyCs ROFEX).

**Brazil:** <sup>(1)</sup> In August, 28th 2017, BmfBovespa-Derivatives incorporated the products settled by BmfBovespa-Equities and are now referred as BM&FBOVESPA Clearinghouse. BmfBovespa-Equities are now acting only as a CSD and are now referred as BmfBovespa Central Securities Depository.

**Chile:** <sup>(1)</sup> In 2015 Comder, Contraparte Central S.A. beings operations.

**Table CSD1**  
**Features of selected central securities depositories**  
(at end-2016, except as noticed)

System	Type of securities held	Owner/manager	Securities settlement system	Closing time for same day transactions	Links to other CSDs	Delivery lag (T+n)	Intraday finality	DVP mechanism	Currencies	Cash settlement agent
<b>Argentina</b>										
Caja de Valores SA	DOM, INT, B, C, E, O	SE	FoP	nav	Euroclear, Clearstream, Iberclear, BM&F Bovespa, DTC (FoP)	nav	nav	nav	nav	nav
<b>Brazil</b>										
SELIC	DOM; G	CB	SELIC	18:30	no link	T	YES	DVP1	BRL	CB
BmfBovespa-Equities	DOM; E, B, O	SE	BmfBovespa-Equities	17:00	no link	T+1(2); T+3	NO <sup>(1)</sup>	DVP3	BRL	CB
BmfBovespa-Clearinghouse <sup>(3)</sup>										
CETIP	DOM; B,C,G	O	CETIP	19:00	no link	T+1	NO <sup>(1)</sup>	DVP3	BRL	CB
<b>Chile</b>										
DCV	DOM, INT; B, G, E, O	B, SE, O	nav	17:00	nav	(T+1), (T+2), (T+3), (T+5)	YES	DVP 1, DVP 3	nap	nap
<b>Colombia</b>										
DCV	G	CB	DCV	20:00	Direct/DECEVAL	T+0	YES	DVP 1	COP	CB
DECEVAL	DOM,B, E	O	DECEVAL	20:00	Direct/DCV	T+0	YES	DVP 1	COP	CB
<b>Costa Rica</b>										
INTERCLEAR	DOM, INT	SE, O	Patrón Clear	12:00	4	*	NO	YES	CRC, USD	CB
<b>Dominican Republic</b>										
CEVALDOM	DOM; B,G,O*	B, SE, O	CEVALDOM	16:30	YES (FOP/DVP)**	T+3	YES	DVP 1	DOP/USD	CB
<b>Ecuador</b>										
DCV-BCE	B, SEC	CB	DCV	17:30	nav	t+1	YES	DVP1	USD	CB
DECEVALE	C	CH	DECEVALE	17:30	nav	t+1	YES	DVP1	USD	CB
<b>Guatemala</b>										
nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Jamaica</b>										
JamClear-CSD	DOM,B, C, G	CB	JamClear-CSD	REALTIME	nav	T+0	YES	DVP Model 1	JMD, USD	CB
Jamaica Central Securities Depository	DOM	O	DEPEND	1:00PM	nav	TRADE DATE+3	NO		JMD, USD	CB
<b>Paraguay</b>										
DCV-BCP	DOM	CB	RTGS	17:55	NONE	T+1	YES	DVP	PYG	CB
BVPASA	B, G	SE	Cuenta Clearing Itaú	18:15	2	T+1	NO	DVF	PYG, USD	B
<b>Peru</b>										
CAVALI	DOM, INT; B, C, G, E, O	CSD	WARI (Core Bussines System)	16:00	6	T+2	YES	YES	PEN, USD	CB
<b>Trinidad and Tobago</b>										
TTSE	E, B, O <sup>(1)</sup>	SE	DEPEND	14:00	NO	T+3	nap	nap	TTD, USD	BC
GSS	G	CB	GSS	15:15	1 - indirect - DVP	T+2	YES	DVP Model 1	TTD, USD	CB



**Table CSD2**  
Transactions processed by selected central securities depositories: number of transactions  
(total for the year)

System	Number of transactions (millions)						Increase in the number of transactions (% change on previous year)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
Caja de Valores SA	nav	nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
<b>Brazil</b>												
SELIC	3.638	3.966	3.950	4.140	4.218	4.403		9.016	-0.412	4.814	1.882	4.400
BmfBovespa-Equities	18.887	20.932	19.160	18.001	17.799	17.469		10.828	-8.464	-6.051	-1.123	-1.850
CETIP	30.474	86.011	116.942	309.818	405.353	413.075		182.246	35.963	164.932	30.836	1.905
<b>Chile</b>												
DCV	nav	nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
<b>Colombia</b>												
DCV	1.027	0.831	0.852	0.683	0.616	0.723		-19.075	2.547	-19.854	-9.772	17.365
DECEVAL	1.472	1.403	1.231	1.199	1.144	1.049		-4.651	-12.263	-2.590	-4.644	-8.271
<b>Costa Rica</b>												
CEVAL	0.030	0.025	0.012	0.030	0.017	0.020		-18.086	-50.223	143.810	-44.399	19.571
BCCR-TVA	0.004	0.005	0.004	0.003	0.002	0.002		35.409	-28.467	-15.345	-41.885	11.214
<b>Dominican Republic</b>												
CEVALDOM	nav	nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
<b>Ecuador</b>												
DCV-BCE	0.002	0.002	0.002	0.002	0.002	0.009		-0.535	11.452	2.894	9.376	286.627
DECEVALE	nav	nav	nav	nav	nav	nav		nav				
<b>Guatemala</b>												
SEL	20.690	24.700	25.022	18.560	21.196	25.382		19.381	1.304	-25.825	14.203	19.749
<b>Jamaica</b>												
CSD	neg	0.000	0.000	0.000	0.000	0.000		-73.843	-50.442	164.286	-12.162	-40.000
JCSD	24.562	25.441	20.716	30.181	46.332	67.074		3.579	-18.572	45.689	53.514	44.768
<b>Paraguay</b>												
DEPO BCP	nav	neg	neg	neg	neg	neg		nav	2,700.000	39.286	30.769	-50.980
BVPASA	nav	nav	nav	nav	nav	nav		nav	nav	nav	nav	nav
<b>Peru</b>												
CAVALI	0.014	0.013	0.012	0.009	0.012	0.020		-6.624	-7.982	-26.964	37.433	71.477
<b>Trinidad and Tobago</b>												
TTSE	neg	neg	neg	0.001	0.002	0.001		11.859	-22.063	161.029	126.901	-68.777

**Table CDS3**  
Transactions processed by selected central securities depositories: value of transactions  
(total for the year) <sup>(1)</sup>

System	Value of transactions (USD thousand millions)						Value of transactions as a percentage of GDP (in %)					
	2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
<b>Argentina</b>												
Caja de Valores SA	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Brazil</b>												
SELIC	184,245.518	241,467.803	265,075.929	209,130.888	209,574.323	219,363.898	5,345.147	7,515.743	8,947.076	10,376.467	11,237.969	10,675.695
BmfBovespa-Equities	2,723.149	2,692.182	2,378.776	1,496.413	1,312.740	1,605.508	79.001	63.795	60.291	74.248	70.393	78.135
CETIP	8,981.366	9,391.473	9,105.012	7,752.719	6,178.634	7,943.936	260.558	292.312	307.320	384.667	331.316	386.604
<b>Chile</b>												
DCV	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Colombia</b>												
DCV	3,628.880	3,009.048	3,036.768	2,866.581	2,313.386	2,788.815	979.985	788.032	796.379	978.384	817.679	886.812
DECEVAL	535.155	504.861	431.607	309.031	293.062	300.266	144.519	132.217	113.187	105.474	103.584	95.481
<b>Costa Rica</b>												
CEVAL	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
BCCR-TVA	11.480	19.421	14.474	11.118	8.134	19.791	26.721	41.049	30.975	21.578	14.958	36.110
<b>Dominican Republic</b>												
CEVALDOM	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Ecuador</b>												
DCV-BCE	8.712	9.176	13.175	17.679	36.204	20.764	9.909	9.646	12.952	17.806	36.712	20.148
DECEVALE	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
<b>Guatemala</b>												
SEL	85.545	68.187	91.115	153.231	90.911	84.254	169.974	126.818	155.378	240.742	132.646	111.662
<b>Jamaica</b>												
CSD	10.868	18.224	30.447	16.360	4.752	6.447	73.664	128.420	219.761	115.752	33.825	43.743
JCSD	0.745	0.172	0.138	0.615	0.445	0.454	5.049	1.214	0.993	4.351	3.167	3.082
<b>Paraguay</b>												
DCV-BCP	nav	0.012	0.115	0.169	0.149	0.147	nav	0.040	0.375	0.625	0.543	0.498
BVPASA	1.208	0.127	0.181	0.466	0.571	0.498	4.911	0.436	0.588	1.724	2.083	1.686
<b>Peru</b>												
CAVALI	12.896	1.285	1.033	0.877	0.868	1.123	17.573	1.711	1.444	1.452	1.497	1.701
<b>Trinidad and Tobago</b>												
TTSE	0.100	0.025	0.108	0.215	0.179	0.109	0.387	0.093	0.396	0.876	0.800	0.491
GSS	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

**Table CSD4**  
**Participation in selected central securities depositories**  
(end of year)

System	Total number of participants					
	2012	2013	2014	2015	2016	2017
<b>Argentina</b>						
Caja de Valores SA	593	587	619	615	625	709
<b>Brazil</b>						
SELIC <sup>(1)</sup>	499	497	486	484	471	466
BmiBovespa-Equities <sup>(2),(3)</sup>	201	201	193	193	186	192
CETIP	558	598	699	700	698	749
<b>Chile</b>						
DCV	181	188	187	189	189	185
<b>Colombia</b>						
DCV	136	135	132	130	125	133
DECEVAL	105	111	109	391	411	233
<b>Costa Rica</b>						
CEVAL	26	27	28	28	28	28
BCCR-LIM	31	28	28	29	30	32
<b>Dominican Republic</b>						
nav	nav	nav	nav	nav	nav	nav
<b>Ecuador</b>						
DCV-BCE	31	34	35	96	96	49
DECEVALE	1	1	1	1	1	1
<b>Guatemala</b>						
nav	nav	nav	nav	nav	nav	nav
<b>Jamaica</b>						
CSD	48	45	43	41	40	41
JCSD	19	18	20	19	21	19
<b>Paraguay</b>						
DCV-BCP <sup>(1)</sup>	nav	32	32	29	29	32
BVPASA	7	8	9	9	9	9
<b>Peru</b>						
CAVALI	37	38	39	36	36	36
<b>Trinidad and Tobago</b>						
TTSE	13	13	13	13	13	12
GSS	22	22	22	22	22	22

**Table CSD5**  
**Securities held on account at selected central securities depositories**  
(end of year)

System	Number of securities held (thousands)					
	2012	2013	2014	2015	2016	2017
<b>Argentina</b>						
Caja de Valores SA	4.459	4.463	4.428	4.380	4.620	9.922
<b>Brazil</b>						
SELIC <sup>(1)</sup>	0.448	0.368	0.388	0.359	0.347	0.326
BmiBovespa-Equities <sup>(2),(3)</sup>	1.262	1.296	1.322	1.337	1.387	1.423
CETIP	2,523.518	2,695.415	3,272.041	7,430.117	9,174.850	10,234.175
<b>Chile</b>						
DCV	nav	nav	nav	nav	nav	nav
<b>Colombia</b>						
DCV	2.257	1.964	1.573	1.228	0.946	0.544
DECEVAL	11.816	13.200	12.232	75.839	88.429	128.157
<b>Costa Rica</b>						
CEVAL	4.228	4.138	3.683	3.038	2.988	3.015
SINPE	0.161	0.213	0.247	0.275	0.433	0.504
<b>Dominican Republic</b>						
CEVALDOM	266.000	274.000	249.000	286.000	299.000	360.000
<b>Ecuador</b>						
DCV-BCE	1.870	1.860	2.073	2.133	2.333	9.020
DECEVALE	nav	nav	nav	nav	nav	nav
<b>Guatemala</b>						
SCVN	0.074	0.069	0.100	0.093	0.076	0.101
<b>Jamaica</b>						
CSD	0.849	0.811	0.871	0.741	0.724	0.452
JCSD	0.052	0.057	0.062	nav	nav	0.169
<b>Paraguay</b>						
DCV-BCP	nav	nav	nav	nav	nav	0.002
BVPASA	0.142	0.109	0.089	0.172	0.140	0.066
<b>Peru</b>						
CAVALI	952.000	1,125.000	1,300.000	1,528.000	1,665.000	1,749.000
<b>Trinidad and Tobago</b>						
TTSE	0.033	0.034	0.032	0.062	0.120	0.140
GSS	nav	nav	nav	0.235	0.150	0.192

Table CSD5 (cont)

System	Market capitalisation (USD millions) <sup>(1)</sup>					
	2012	2013	2014	2015	2016	2017
<b>Argentina</b>						
Caja de Valores SA	60,928.836	58,602.058	66,053.369	58,833.373	68,086.099	95,211.285
<b>Brazil</b>						
SELIC <sup>(1)</sup>	1,432,562.571	1,311,958.059	1,297,074.435	1,071,612.956	1,484,237.689	1,627,782.186
BmfBovespa-Equities <sup>(2)(3)</sup>	603,560.190	464,172.384	417,836.689	242,347.323	393,946.724	498,460.162
CETIP	1,690,435.700	1,608,732.820	1,558,234.195	1,137,789.222	1,529,847.325	1,329,937.949
<b>Chile</b>						
DCV	298,227.845	282,424.140	269,350.037	247,290.609	307,035.760	393,290.865
<b>Colombia</b>						
DCV	90,736.499	95,275.660	84,684.383	66,024.837	79,886.922	89,034.818
DECEVAL	205,014.619	201,058.215	176,260.836	121,071.158	146,725.950	163,054.474
<b>Costa Rica</b>						
CEVAL	8,270.776	9,281.991	9,637.473	10,537.032	12,235.745	13,513.937
SINPE	40,223.415	56,242.987	62,080.918	70,989.937	79,544.321	98,303.362
<b>Dominican Republic</b>						
CEVALDOM	7,684.271	9,443.432	11,367.669	13,836.844	16,463.952	19,542.048
<b>Ecuador</b>						
DCV-BCE	8,712.108	9,176.227	13,175.404	17,679.400	36,203.648	20,764.005
DECEVALE	nav	nav	nav	nav	nav	nav
<b>Guatemala</b>						
SCVN	871.717	3,367.955	3,990.626	4,558.753	4,559.077	5,288.101
<b>Jamaica</b>						
CSD	10,154.634	9,186.701	9,014.996	8,412.407	7,948.806	7,427.977
JCSD	874.623	720.009	486.312	6,377.645	8,097.166	10,000.000
<b>Paraguay</b>						
DCV-BCP	nav	1,447.650	1,714.544	1,258.042	1,646.147	2,341.388
BVPASA	168.327	199.557	265.297	369.051	554.183	660.932
DCV-USD	27.800	61.500	89.900	160.094	203.426	232.964
<b>Peru</b>						
CAVALI	12,620.987	12,286.803	12,912.900	20,918.337	20,740.678	18,759.075
<b>Trinidad and Tobago</b>						
TTSE	nav	nav	nav	412.378	273.527	351.350
GSS	nav	nav	nav	nav	nav	nav

Notes:

CSD1:

**Brazil:** <sup>(1)</sup> Some special transactions have intraday finality. <sup>(2)</sup> Payments relating to derivatives on stocks. <sup>(3)</sup> BmfBovespa-Equities are now acting only as a CSD and are now referred as BmfBovespa Central Securities Depository.

**Dominican Republic:** \*Cevaldom has direct account with Clearstream y Euroclear.

**Costa Rica:** \*There are different terms.

**Trinidad and Tobago:** <sup>(1)</sup> Mutual funds

CSD3:

<sup>(1)</sup> Converted at yearly exchange rates.

CSD4:

**Brazil:** <sup>(1)</sup> Brazil has a single CCP (BM&F BOVESPA), but each system it operates is considered a Selic participant. <sup>(2)</sup> In August, 28th 2017, BmfBovespa-Derivatives incorporated the products settled by BmfBovespa-Equities and are now referred as BM&FBOVESPA CLEARING HOUSE. BmfBovespa-Equities are now acting only as a CSD and are now referred as BmfBovespa Central Securities Depository.

**Paraguay:** <sup>(1)</sup> DCV BCP was established on November 25, 2013.

CSD5:

<sup>(1)</sup> Converted at end of year exchange rates.

**Brazil:** <sup>(1)</sup> Government Securities exclusively. <sup>(2)</sup> In August, 28th 2017, BmfBovespa-Equities and BmfBovespa-Derivatives merged its operations and are now referred as BM&F BOVESPA Clearinghouse. BmfBovespa-Equities are now acting only as a CSD and are now referred as BmfBovespa Central Securities Depository.