



Payment System

22 May 2017

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www.bancaditalia.it/statistiche/index.html

Figure 1

Cashless payment services and instruments Number of payments (flows; percentage points and millions)

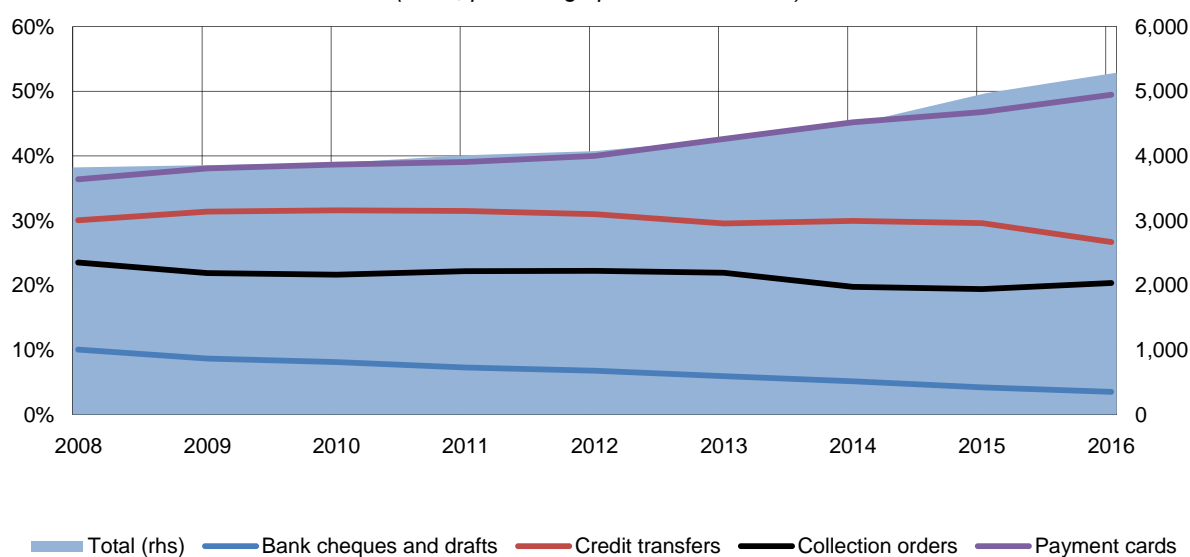
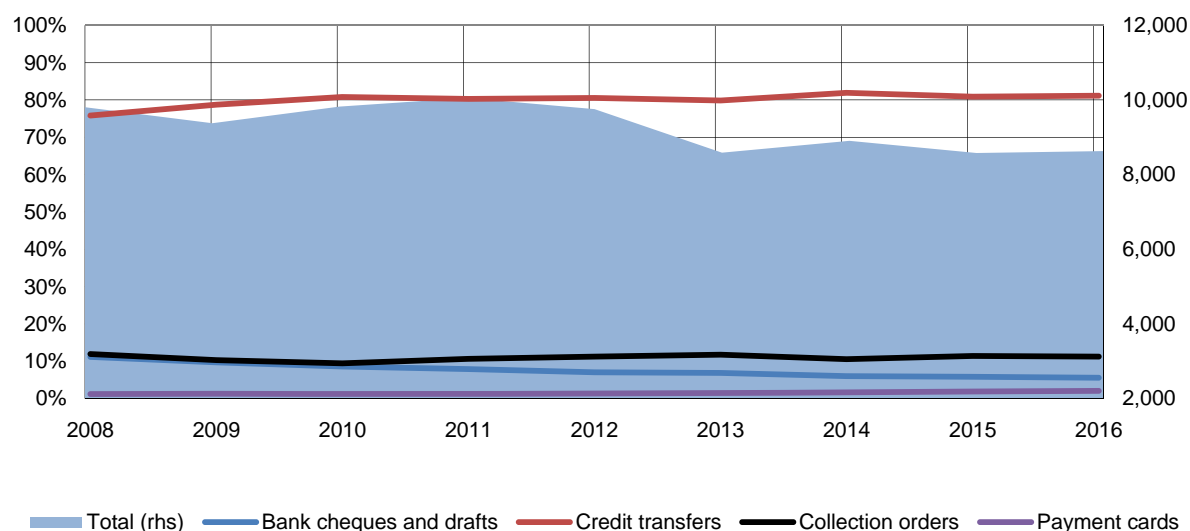


Figure 2

Cashless payment services and instruments Amounts of payments (flows; percentage points and billions of euros)



Reference period: December 2016 - March 2017

General information

- I Unless indicated otherwise, figures have been computed by the Bank of Italy.
- II Symbols and Conventions:
 - the phenomenon in question does not occur;
 - the phenomenon occurs but its value is not known;
 - .. the value is known but is nil or less than half the final digit shown.

Figures in parentheses in roman type () are provisional, Those in parentheses in italics () are estimated.
- III The tables are identified both by a number and by an alphanumeric code that defines the content of the table in the database in the electronic archive in which information to be released to the public is held, a similar code identifies the different aggregates shown in each table.

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Section 1

Banks: balance sheet and other information

Methods of payment available to customers

Table 1
Access to data:
[TSP00011](#)

Points of access to the payments system

(stocks; numbers)

	Banks							Post Office	
	Number	Number of branches	Number of ATMs in operation				Number of POS terminals in operation	Number of branches	Number of POS terminals in operation
			Branch ATMs		Other ATMs o in luogo pubblico				
			Cash dispenser	Multi-function	Cash dispenser	Multi-function			
2010	760	33,640	3,268	32,664	1,265	7,681	1,445,361	14,349	51,148
2011	740	33,607	3,098	33,629	1,354	7,466	1,381,879	13,308	52,079
2012	706	32,875	2,200	36,147	281	5,179	1,457,927	13,160	52,769
2013	684	31,760	2,088	35,671	246	4,908	1,530,696	12,941	53,493
2014	663	30,723	2,213	34,128	248	4,441	1,801,432	12,908	46,029
2015	644	30,259	2,041	35,221	247	5,840	1,945,629	12,903	45,451
2016	604	29,039	3,192	33,562	529	4,740	2,180,028	12,576	46,103

Methods of payment available to customers

Table 2
Access to data:
[TSP00213](#)

Bank of Italy bank drafts

(flows; numbers in thousands - amounts in millions of euros)

	Issued						Paid	
	Ordinary		Special		Total		Number	Amount
	Number	Amount	Number	Amount	Number	Amount		
2014 - 1st qtr	14	140.5	82	136.4	96	276.9	78	262.9
2nd "	20	128.4	1	2.2	21	130.5	40	165.3
3rd "	23	143.6	116	197.9	139	341.6	49	165.9
4th "	32	208.3	0	0.5	32	208.8	113	347.4
2015 - 1st qtr	13	140.9	87	166.4	100	307.3	95	311.8
2nd "	17	131.8	3	2.5	20	134.3	24	141.6
3rd "	19	169.5	87	150.3	106	319.8	100	305.8
4th "	30	204.7	82	158.5	112	363.3	112	360.9
2016 - 1st qtr	12	121.4	96	182.0	108	303.4	104	320.1
2nd "	17	102.8	28	59.9	45	162.7	43	154.0
3rd "	14	115.4	1	2.4	15	117.8	30	150.0
4th "	18	176.9	66	151.1	84	328.0	59	233.2

Methods of payment available to customers

Table 3
Access to data:
[TSP00220](#)

Payment services and instruments

(flows; numbers and amounts)

	Bank cheques	Bank drafts	Credit transfers		Collection orders			Debit card payments at POS terminals	Total
				of which: paperless	Direct debits	RIBA and MAV	Bills of exchange		

(thousands)

2014 - 1st qtr	50,042	7,265	346,705	146,611	147,616	74,845	3,302	320,752	963,703
2nd "	51,637	7,144	328,076	139,600	150,313	65,980	3,214	336,744	956,913
3rd "	49,167	6,538	312,574	138,480	143,376	63,102	3,069	353,676	946,543
4th "	52,309	7,409	359,870	156,492	166,789	64,162	2,851	378,885	1,048,596
2015 - 1st qtr	44,429	5,815	340,304	143,583	155,073	70,716	2,994	358,723	978,054
2nd "	47,209	6,376	361,889	150,774	163,912	69,895	2,647	388,038	1,039,966
3rd "	44,681	5,640	356,741	149,225	169,609	64,098	2,431	421,029	1,064,228
4th "	48,058	6,424	412,101	167,918	193,653	67,469	2,266	449,359	1,179,329
2016 - 1st qtr	41,318	5,413	342,221	152,335	189,328	69,839	2,175	428,503	1,078,797
2nd "	42,411	5,393	357,641	162,968	194,959	75,607	2,096	449,166	1,127,272
3rd "	39,594	4,741	338,050	156,960	196,806	67,828	1,961	463,991	1,112,972
4th "	41,909	5,402	372,693	175,997	209,582	63,226	1,876	494,832	1,189,519

(millions of euros)

2014 - 1st qtr	94,961	39,673	1,844,825	1,003,962	76,664	137,248	25,320	20,377	2,239,068
2nd "	92,123	40,859	1,841,049	980,667	80,221	127,394	25,083	21,240	2,227,969
3rd "	89,221	36,516	1,729,437	962,235	76,271	130,179	24,554	22,372	2,108,549
4th "	97,100	42,855	1,874,780	1,036,940	83,724	123,367	24,381	24,376	2,270,582
2015 - 1st qtr	84,133	35,976	1,641,999	932,912	79,730	133,674	23,726	22,298	2,021,537
2nd "	85,015	40,562	1,770,265	952,684	93,847	133,517	22,158	24,633	2,169,996
3rd "	81,887	36,307	1,655,970	925,752	87,743	137,181	19,525	26,269	2,044,881
4th "	92,680	44,884	1,872,369	1,017,622	97,429	129,364	19,795	29,996	2,286,517
2016 - 1st qtr	84,068	38,997	1,713,086	974,075	88,869	133,351	17,874	26,778	2,103,022
2nd "	78,339	42,719	1,762,849	1,047,515	91,783	139,771	17,854	28,564	2,161,879
3rd "	75,783	35,310	1,625,707	983,391	91,776	139,050	16,506	28,431	2,012,563
4th "	81,551	42,681	1,902,763	1,161,794	92,772	124,391	16,433	31,645	2,292,236

Methods of payment available to customers

Table 4
Access to data:
[TSP60100](#)

Payment cards

(stocks; numbers in thousands)

	Credit cards in use			Debit cards			Multi-purpose prepaid cards
	of which:			of which:			
	Personal	Corporate		Cash withdrawals only	Cash withdrawals and POS payments		
2010	14,626	13,022	1,604	37,352	1,179	36,174	12,362
2011	13,609	12,189	1,420	39,079	1,528	37,550	14,203
2012	13,543	12,102	1,441	41,238	1,531	39,707	18,804
2013	13,149	11,740	1,409	45,733	1,517	44,216	19,846
2014	12,275	10,901	1,374	48,046	1,010	47,036	22,596
2015	13,931	12,451	1,480	51,256	939	50,317	25,482
2016	13,627	12,145	1,481	54,622	907	53,716	26,422

Methods of payment available to customers

Table 5

Access to data:
[TSP00224](#)

Home and corporate banking services

(stocks; number of users)

	Information services		Information and transaction services		Total	Businesses using corporate banking services
	Households	Businesses	Households	Businesses		
2010	5,386,083	361,208	23,811,822	1,958,603	31,517,716	1,037,724
2011	5,379,185	369,433	23,150,909	1,966,373	30,865,900	1,295,888
2012	3,318,052	372,151	24,281,584	2,421,926	30,393,713	1,706,431
2013	4,135,314	405,169	26,837,199	2,536,978	33,914,660	1,755,247
2014	4,329,493	404,034	30,929,964	2,780,324	38,443,815	1,785,009
2015	5,172,220	405,297	33,947,228	3,063,141	42,587,886	2,001,346
2016	5,376,782	399,527	36,876,635	3,261,840	45,914,784	1,887,319

Methods of payment available to customers

Table 6
Access to data:
[TSP80000](#)

Payments by credit card

(flows; numbers in thousands - amounts in millions of euros)

	Number		Amount	
	Personal	Corporate	Personal	Corporate
2010	498,795	88,861	46,320	10,453
2011	512,240	73,517	46,745	8,855
2012	465,668	71,790	40,489	9,093
2013	513,074	74,371	41,665	9,181
2014	563,402	80,556	44,269	9,646
2015	616,453	90,744	48,054	10,810
2016	684,854	91,583	51,619	10,726

Methods of payment available to customers

Table 7
Access to data:
[TSP20100](#)

Rejected cheques by location of issuer - flows

(numbers; millions of euros)

	North-East		North-West		Centre		South and Islands		Italy and Abroad	
	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount

Cheques rejected for lack of funds

2016 - Oct.....	1,161	4.9	2,340	8.5	2,834	8.0	7,412	21.2	13,749	42.6
Nov.	908	3.2	1,786	6.9	2,459	7.6	6,287	17.3	11,444	35.0
Dec.	1,134	4.8	2,424	8.0	3,173	9.8	8,510	24.9	15,247	47.4
2017 - Jan.....	1,113	4.1	2,058	6.5	2,767	8.9	7,461	19.7	13,403	39.3
Feb.	983	3.6	2,050	6.1	2,853	9.5	7,478	21.9	13,369	41.1
Mar.	1,324	5.5	2,491	7.4	3,630	12.2	9,914	29.9	17,363	55.0

Cheques rejected for lack of authorization

2016 - Oct.....	462	3.2	953	3.5	1,184	3.3	3,940	11.4	6,541	21.4
Nov.	403	1.5	951	3.3	1,098	3.3	3,683	11.1	6,137	19.2
Dec.	392	1.4	877	2.4	978	3.3	3,227	9.5	5,478	16.5
2017 - Jan.....	486	1.7	1,000	3.6	1,272	4.8	4,126	13.1	6,888	23.2
Feb.	419	1.4	869	2.5	1,212	4.2	3,551	13.6	6,058	21.7
Mar.	399	1.7	878	4.1	1,234	4.5	3,633	11.4	6,145	21.8

Methods of payment available to customers

Table 8

[Access to data:](#)

[TSP30100](#)

Rejected cheques by location and economy sector of issuer

(millions of euros; average in euros; number of cheques; December 2016)

Sector and geographical area		Rejected for lack of funds		Rejected for lack of authorization		Total			
		Number	Amount	Number	Amount	Number	Amount	Average amount	Revocations of authorizations
North-East	<i>ITH</i>	7,473	30.8	2,730	10.6	10,203	41.5	4,064	3,898
Households	<i>600</i>	3,069	9.5	1,170	4.0	4,239	13.6	3,198	2,138
Non-financial enterprises.	<i>SBI25</i>	4,368	21.2	1,533	6.5	5,901	27.7	4,694	1,726
Other	<i>SBI124</i>	36	0.1	27	0.1	63	0.2	3,256	34
North-West	<i>ITC</i>	14,234	47.8	5,537	18.0	19,771	65.8	3,330	8,216
Households	<i>600</i>	7,958	19.3	3,201	8.6	11,159	27.9	2,497	5,482
Non-financial enterprises	<i>SBI25</i>	6,129	28.0	2,289	9.3	8,418	37.4	4,439	2,625
Other	<i>SBI124</i>	147	0.5	47	0.1	194	0.6	3,079	109
Centre	<i>ITI</i>	18,146	54.4	6,698	19.5	24,844	73.9	2,974	8,895
Households	<i>600</i>	8,479	17.4	3,305	6.8	11,784	24.2	2,053	5,366
Non-financial enterprises	<i>SBI25</i>	9,393	34.5	3,296	12.1	12,689	46.6	3,672	3,382
Other	<i>SBI124</i>	274	2.4	97	0.7	371	3.1	8,394	147
South and Islands	<i>ITFGBI1</i>	47,408	133.1	21,937	62.4	69,345	195.5	2,820	22,740
Households	<i>600</i>	24,977	47.7	11,416	22.3	36,393	70.0	1,923	14,603
Non-financial enterprises	<i>SBI25</i>	22,068	84.6	10,345	39.7	32,413	124.3	3,834	7,859
Other	<i>SBI124</i>	363	0.9	176	0.4	539	1.3	2,370	278
Italy and abroad	<i>WRDBI2</i>	87,285	266.2	36,917	110.6	124,202	376.8	3,034	43,767
Households	<i>600</i>	44,484	93.9	19,099	41.7	63,583	135.6	2,133	27,591
Non-financial enterprises	<i>SBI25</i>	41,962	168.4	17,463	67.6	59,425	236.0	3,971	15,594
Other	<i>SBI124</i>	839	3.9	355	1.3	1,194	5.3	4,401	582

Methods of payment available to customers

Table 9
[Access to data:](#)
[TSP01100](#)

Banknotes issued by Bank of Italy

(amounts in billions of euros; numbers in thousands)

	Total		Total						
	Amount	Number	of which:						
			5€ denomination Number	10€ denomination Number	20€ denomination Number	50€ denomination Number	100€ denomination Number	200€ denomination Number	500€ denomination Number
2014 - 1st qtr	17.5	520,781.8	34,569.1	59,455.3	175,417.9	238,037.9	13,228.4	25.9	47.3
2nd "	22.5	661,793.9	37,052.4	68,733.7	228,955.7	313,875.7	13,113.7	17.6	45.0
3rd "	23.5	683,752.8	33,746.7	67,625.0	236,200.1	333,052.1	13,073.5	22.8	32.7
4th "	27.5	793,418.3	40,346.6	74,930.1	274,035.0	387,129.8	16,919.5	15.3	42.0
2015 - 1st qtr	17.8	526,405.1	30,108.9	53,147.8	185,329.7	248,249.7	9,525.5	14.2	29.4
2nd "	22.0	648,931.2	34,141.4	61,749.7	230,761.7	312,110.0	10,134.4	13.6	20.5
3rd "	23.9	691,113.8	36,287.1	56,229.7	244,214.8	343,562.1	10,780.4	12.6	27.3
4th "	27.4	786,278.5	42,369.2	62,733.5	276,759.2	389,349.2	14,988.0	27.6	51.8
2016 - 1st qtr	19.3	557,554.5	31,484.7	48,340.1	193,637.0	273,718.4	10,322.2	15.0	37.1
2nd "	21.8	654,964.5	34,786.7	53,059.1	258,215.0	298,419.1	10,462.4	12.5	9.7
3rd "	23.8	684,462.9	35,660.1	51,918.0	243,207.9	341,995.5	11,664.7	7.9	8.8
4th "	26.0	743,194.0	40,177.0	55,707.6	260,957.6	372,406.2	13,926.8	9.8	9.1

Methods of payment available to customers

Table 10
[Access to data:](#)
[TSP01200](#)

Banknotes returned to Bank of Italy

(amounts in billions of euros; numbers in thousands)

	Total	Total							
	Amount	Number	of which:						
			5€ denomination Number	10€ denomination Number	20€ denomination Number	50€ denomination Number	100€ denomination Number	200€ denomination Number	500€ denomination Number
2014 - 1st qtr.....	25.4	669,508.0	43,629.2	79,455.1	233,317.5	280,718.5	24,602.0	2,188.9	5,596.8
2nd .. "	22.7	607,388.5	37,636.9	77,557.7	215,499.3	247,548.5	22,124.3	2,110.6	4,911.1
3rd ... "	24.1	652,694.3	40,191.2	83,755.7	232,156.1	265,911.4	23,794.4	2,216.1	4,669.4
4th ... "	21.3	575,392.2	33,485.7	70,923.9	210,005.4	234,943.8	19,818.3	2,063.3	4,151.7
2015 - 1st qtr.....	24.5	660,105.0	38,621.4	73,072.8	239,376.5	279,848.8	22,791.8	2,195.4	4,198.3
2nd .. "	22.3	604,686.3	36,712.8	71,138.2	219,838.6	249,730.5	21,223.7	2,082.1	3,960.4
3rd ... "	23.5	652,556.4	40,239.7	76,695.9	241,239.5	266,881.1	21,938.3	1,969.8	3,592.2
4th ... "	20.9	578,638.2	35,309.2	64,354.9	217,452.7	237,992.1	18,548.6	1,808.7	3,171.9
2016 - 1st qtr.....	21.8	604,744.8	36,119.6	62,933.1	228,060.0	255,353.4	17,389.2	1,575.7	3,313.8
2nd .. "	21.9	598,569.1	37,909.8	66,226.9	241,152.6	229,022.3	17,193.9	1,723.7	5,340.0
3rd ... "	22.9	630,057.3	40,087.2	72,073.7	244,948.0	246,941.8	19,240.4	1,837.8	4,928.4
4th ... "	20.4	554,913.1	33,566.4	59,823.0	213,481.4	225,757.4	16,499.1	1,664.4	4,121.4

Section 2

Interbank exchange and settlement circuits

Interbank exchange and settlement circuits

Table 11

[Access to data:](#)
[TSP00034](#)

The real-time gross settlement system TARGET2-Bank of Italy (BI-REL until May 16th, 2008): number of participants

(end of period data)

	Holders of PM accounts			Holders of intraday advance accounts	Holders of HAM accounts	Memorandum items		
	Direct	Indirect				Bank whose compulsory reserves are maintained by another bank	Co-management of accounts	
		of which: active	of which: passive (until May 16th, 2008)					of which: representing banks
2010	102	360	....	90	126	584	90	18
2011	101	340	....	90	120	567	82	19
2012	103	323	....	90	106	529	76	19
2013	102	68	....	87	98	518	73	19
2014	100	62	....	88	95	502	70	20
2015	100	56	....	81	92	485	66	20
2016	99	49	....	83	87	449	62	19

Table 12

[Access to data:](#)
[TSP00032](#)

BI-COMP payment system: number of participants

(end of period data)

	National Clearing			Securities settlement		
		Retail	Local clearing	Banks	SIM and foreign investment firms	Brokers and dealers
2010	89	89	44	....	....	....
2011	89	89	42	....	....	....
2012	87	87	41	....	....	....
2013	85	85	41	....	....	....
2014	78	78	41	....	....	....
2015	74	74	37	....	....	....
2016	71	71	36	....	....	....

Interbank exchange and settlement circuits

Table 13

Access to data:
[TSP00341](#)

BI-COMP payment system

(amounts in billions of euros)

	Gross flows					Multilateral balances
	Local Clearing	Retail	Electronic Memoranda	Wholesale	Total	
2014	192	1,255	....	....	1,446	269
2015	178	1,323	....	....	1,502	272
2016	173	1,722	....	....	1,893	282
2016 - Apr.....	13	131	....	....	145	21
May	14	136	....	....	150	19
June	14	152	....	....	165	27
July	16	158	....	....	173	24
Aug.....	12	140	....	....	151	23
Sept.....	12	147	....	....	159	22
Oct.	14	150	....	....	163	22
Nov.....	14	144	....	....	158	24
Dec.....	17	177	....	....	195	34
2017 - Jan.	13	150	....	....	163	23
Feb.....	13	146	....	....	159	21
Mar.	15	161	....	....	176	23

Interbank exchange and settlement circuits

Table 14

Access to data:
[TSP00343](#)

Gross settlement (BI-REL/TARGET2-Bank of Italy)

(amounts in billions of euros)

		Total								
		of which:								
		Interbank			Customers		Multilateral balances of ancillary systems	Operations with the Bank of Italy		
		of which:			of which:					
		cross-border	e-MID		of which: cross-border	Monetary policy		Treasury		
2014	55,712.4	40,600.5	27,020.2	1,000.3	2,679.8	1,293.0	5,752.3	6,680.2	....	....
2015	44,801.7	33,605.9	23,534.6	933.0	2,699.5	1,391.8	3,952.0	4,544.0	....	....
2016	28,293.3	21,527.5	18,503.4	1,022.2	2,659.4	1,424.9	1,049.2	3,057.6	....	....
2016 - Apr.	2,344.7	1,812.5	1,576.9	82.9	212.6	116.0	77.0	242.7	....	....
May	2,401.1	1,883.1	1,597.6	86.9	214.8	112.0	84.3	218.9	....	....
June	2,526.4	1,887.1	1,652.7	82.9	248.7	132.3	88.4	302.3	....	....
July	2,300.1	1,736.8	1,520.3	71.6	229.8	122.8	98.7	234.8	....	....
Aug.	2,105.6	1,636.0	1,438.2	58.1	177.4	95.4	84.7	207.6	....	....
Sept.....	2,379.7	1,825.1	1,568.2	85.3	215.9	118.9	89.9	248.8	....	....
Oct.	2,366.1	1,812.3	1,550.1	111.6	217.5	123.4	92.5	243.9	....	....
Nov.	2,370.2	1,853.9	1,544.8	90.9	207.4	109.6	99.3	209.6	....	....
Dec.	2,590.6	1,838.5	1,558.0	119.3	282.9	151.4	113.3	355.9	....	....
2017 - Jan.	2,319.9	1,799.7	1,492.1	121.3	235.0	132.9	95.5	189.7	....	....
Feb.	2,173.9	1,656.2	1,354.2	100.8	208.4	117.3	92.6	216.7	....	....
Mar.	2,464.1	1,795.0	1,490.7	91.3	249.8	141.1	110.9	308.4	....	....

Payments channeled through BI-REL and TARGET2-Bank of Italy and intraday liquidity

(flows; numbers and amounts in billions of euros; average time in minutes)

	Total				queued payments		Credit line available to participants	Average use
	Value	Volume	of which: debit		Average value	Average queuing time		
			Value	Volume				
2014	55,712.4	16,137,418	....	....	....	....	114.3	5.3
2015	44,801.7	14,655,961	....	....	....	....	91.8	7.6
2016	28,293.3	11,886,562	....	....	....	....	98.2	9.1
2016 - Apr.	2,344.7	968,147	....	....	....	....	97.7	11.5
May	2,401.1	1,040,396	....	....	....	....	96.7	8.6
June	2,526.4	1,051,302	....	....	....	....	108.3	10.3
July	2,300.1	1,014,988	....	....	....	....	101.9	8.1
Aug	2,105.6	881,737	....	....	....	....	103.5	4.8
Sept	2,379.7	999,633	....	....	....	....	102.6	5.3
Oct.	2,366.1	999,385	....	....	....	....	93.5	5.6
Nov	2,370.2	1,008,607	....	....	....	....	94.2	5.0
Dec	2,590.6	1,058,822	....	....	....	....	97.0	4.3
2017 - Jan.	2,319.9	975,665	....	....	....	....	90.8	5.2
Feb	2,173.9	989,492	....	....	....	....	86.9	3.8
Mar	2,464.1	1,132,895	....	....	....	....	95.2	3.6

Interbank exchange and settlement circuits

Table 16

[Access to data:](#)

[TSP00037](#)

Payments channeled through the Local Clearing subsystem

(gross flows)

	Banking system		Bank of Italy		Provincial State Treasury		Post Office		Total	
	Debit	Credit	Debit	Credit	Debit	Credit	Debit	Credit	Debit	Credit

(in thousands)

2014	24,382	25,431	221	1	....	23	1,754	902	26,358	26,358
2015	22,991	24,043	273	1	....	16	1,658	862	24,922	24,922
2016	21,934	22,689	190	0	....	2	1,440	872	23,564	23,564
2016 - Apr.	1,661	1,721	7	0	....	0	116	62	1,784	1,784
May	1,793	1,862	10	0	....	0	125	66	1,928	1,928
June	1,738	1,810	14	0	....	0	121	63	1,873	1,873
July	1,927	1,991	11	0	....	0	127	73	2,064	2,064
Aug	1,617	1,663	5	0	....	0	104	61	1,725	1,725
Sept	1,697	1,753	5	0	....	0	110	58	1,812	1,812
Oct	1,879	1,940	5	0	....	0	119	64	2,004	2,004
Nov	2,025	2,118	31	0	....	0	129	67	2,186	2,186
Dec	2,191	2,248	10	0	0	0	130	83	2,331	2,331
2017 - Jan.	1,847	1,898	19	0	0	0	106	74	1,972	1,972
Feb	1,913	1,971	16	0	....	0	112	70	2,041	2,041
Mar	2,034	2,089	17	0	....	0	118	80	2,169	2,169

(in billions of euros)

2014	172.4	180.9	0.5	0.0	....	2.5	18.2	7.5	191.3	191.3
2015	160.8	169.2	0.9	0.0	....	1.3	17.0	7.7	178.5	178.5
2016	156.3	160.5	0.7	0.0	....	1.0	14.5	10.0	171.4	171.4
2016 - Apr.	12.0	12.5	0.0	0.0	....	0.1	1.2	0.6	13.2	13.2
May	12.5	13.1	0.0	0.0	....	0.1	1.3	0.6	13.8	13.8
June	12.3	12.9	0.1	0.0	....	0.1	1.2	0.6	13.6	13.6
July	14.5	14.8	0.1	0.0	....	0.1	1.2	0.9	15.8	15.8
Aug	10.5	10.8	0.0	0.0	....	0.0	1.0	0.6	11.5	11.5
Sept	10.9	11.5	0.0	0.0	....	0.1	1.1	0.5	12.1	12.1
Oct	12.4	13.0	0.0	0.0	....	0.0	1.2	0.6	13.6	13.6
Nov	12.5	13.1	0.1	0.0	....	0.1	1.2	0.6	13.8	13.8
Dec	15.8	16.2	0.1	0.0	0.0	0.1	1.4	1.0	17.2	17.2
2017 - Jan.	12.2	12.5	0.1	0.0	0.0	0.1	1.0	0.7	13.3	13.3
Feb	11.9	12.6	0.1	0.0	....	0.0	1.3	0.6	13.3	13.3
Mar	13.1	13.9	0.1	0.0	....	0.0	1.5	0.6	14.6	14.6

Interbank exchange and settlement circuits

Table 17

Access to data:
[TSP00038](#)

Payments channeled through the Retail subsystem

(gross flows)

	Bancomat: ATM withdrawals and POS transactions	Cheque truncation	Collection orders	Credit transfers	Transactions with Monte Titoli	Electronic notification of unpaid cheques	Total
(thousands)							
2014	1,296,907	161,531	265,077	129,251	....	2,056	1,854,858
2015	1,407,867	146,242	195,004	153,667	....	1,760	1,904,541
2016	1,443,049	127,593	187,733	274,000	....	1,470	2,033,845
2016 - Apr.	112,163	10,648	15,240	20,465	....	124	158,640
May	122,204	11,356	15,562	21,728	....	125	170,974
June	120,128	11,042	16,238	23,497	....	129	171,034
July	123,148	11,440	16,682	25,507	....	131	176,908
Aug.	128,692	9,346	15,558	22,156	....	107	175,859
Sept.	118,810	9,975	16,123	24,397	....	104	169,408
Oct.	123,321	10,516	15,462	25,128	....	126	174,553
Nov.	113,968	9,548	13,601	25,230	....	121	162,467
Dec.	139,221	11,295	14,842	30,902	....	122	196,382
2017 - Jan.	125,071	9,707	16,139	25,329	....	121	176,365
Feb.	109,939	8,751	15,355	25,263	....	110	159,417
Mar.	125,218	10,150	15,556	28,523	....	126	179,572
(billions of euros)							
2014	98.5	250.1	444.3	432.1	....	6.7	1,250.5
2015	113.4	241.6	399.0	559.2	....	5.6	1,318.7
2016	103.5	230.2	392.6	976.3	....	4.8	1,707.4
2016 - Apr.	8.0	19.0	29.8	73.3	....	0.4	130.5
May	8.8	20.4	31.0	74.2	....	0.4	134.9
June	8.7	20.1	33.6	87.9	....	0.4	150.7
July	8.9	21.9	34.3	91.1	....	0.4	156.5
Aug.	9.4	15.3	33.6	79.0	....	0.3	137.7
Sept.	8.5	17.4	34.7	84.6	....	0.3	145.5
Oct.	8.7	19.1	33.6	86.7	....	0.4	148.5
Nov.	8.0	17.4	30.2	87.2	....	0.5	143.2
Dec.	10.3	22.2	30.8	112.5	....	0.4	176.2
2017 - Jan.	8.8	17.2	34.6	87.7	....	0.4	148.7
Feb.	7.7	16.4	33.6	87.0	....	0.4	145.1
Mar.	8.9	19.6	32.9	98.1	....	0.4	159.9

Section 3

Clearing and settlement of securities transactions

Clearing and settlement of securities transactions

Table 18

Access to data:

[TSP00042](#)

Central securities depository - Monte Titoli S.p.A.

(stocks; numbers of participants)

	Banks	Italian and foreign investment firms	Broker and dealers	Foreign CSDs	Issuers	Other	Total
2010	153	18	1	9	2,190	115	2,486
2011	134	19	1	9	2,184	112	2,459
2012	118	19	1	9	2,159	110	2,416
2013	108	17	1	12	2,145	109	2,392
2014	100	15	1	15	2,173	110	2,414
2015	61	13	1	15	2,248	110	2,448
2016	58	12	1	15	2,298	115	2,499

Clearing and settlement of securities transactions

Table 19

Access to data:
[TSP00044](#)

Central securities depository - Monte Titoli S.p.A.

(stocks; amounts in billions of euros)

	Shares and units of open-end investment	Warrants	Government securities	Convertible bonds	Bonds issued by banks	Bonds issued by non-banks	Foreign securities	Sub-deposited securities		Total
									of which: foreign securities	
2014 - 2nd qtr	165.0	3.7	1,776.4	6.3	576.5	308.9	21.3	84.6	84.6	2,942.7
3rd "	171.6	3.2	1,753.4	3.2	538.7	312.0	15.5	82.8	82.8	2,880.3
4th "	169.6	3.7	1,746.1	3.2	487.0	325.9	13.1	82.8	82.8	2,831.4
2015 - 1st qtr	171.9	4.1	1,800.3	3.4	431.5	334.1	14.7	85.1	85.1	2,845.0
2nd "	168.4	7.2	1,812.7	2.0	404.9	331.8	14.4	90.0	90.0	2,831.3
3rd "	168.5	4.9	1,805.8	1.9	388.9	329.5	14.1	84.8	84.8	2,798.5
4th "	170.9	5.5	1,778.3	1.9	410.9	292.5	14.4	78.4	78.4	2,752.8
2016 - 1st qtr	179.1	5.5	1,840.5	1.7	389.6	276.6	11.1	84.0	84.0	2,788.2
2nd "	194.9	5.2	1,862.6	1.7	397.8	265.2	11.1	82.6	82.6	2,821.1
3rd "	167.2	3.2	1,832.5	1.7	391.7	261.1	15.7	81.2	81.2	2,754.3
4th "	185.1	3.1	1,834.1	1.7	412.9	222.3	12.8	84.4	84.4	2,756.4
2017 - 1st qtr	168.3	4.7	1,873.6	1.6	423.1	199.1	12.7	98.3	98.3	2,781.3

Table 20

Access to data:
[TSP00043](#)

Government securities deposited

(stocks; amounts in billions of euros)

	BOTs	CTZs	BTPs	CCTs	CTEs	Total
2014 - 2nd qtr	142.6	70.6	1,442.6	120.5	....	1,776.4
3rd "	137.8	64.9	1,425.2	125.4	....	1,753.4
4th "	125.5	52.8	1,448.7	119.2	....	1,746.2
2015 - 1st qtr	130.7	63.8	1,481.1	124.7	....	1,800.3
2nd "	128.6	54.5	1,496.5	133.1	....	1,812.7
3rd "	116.7	68.0	1,491.6	129.6	....	1,805.8
4th "	115.1	48.7	1,493.4	121.2	....	1,778.4
2016 - 1st qtr	118.7	55.2	1,539.9	126.7	....	1,840.5
2nd "	117.9	44.6	1,566.5	133.6	....	1,862.6
3rd "	116.3	35.7	1,554.4	126.1	....	1,832.5
4th "	107.1	39.6	1,552.7	134.7	....	1,834.1
2017 - 1st qtr	114.3	36.5	1,587.9	134.9	....	1,873.6

Methodological appendix

General indications

This supplement is prepared by the Market and Payment System Oversight Department and contains: 10 tables on how households and firms use the retail payment services and instruments provided or issued by banks and non-banks; 7 tables on the Bank of Italy's BI-COMP, BI-REL up to 16th May 2008 and afterwards TARGET2 interbank payment clearing and settlement systems, with data on the number of bank and non-bank participants and the volume of transactions; 3 tables on the securities sector, with data on central securities depositories. Table 1 contains time series on the physical points of access - banks and post offices - to the supply of payment services and instruments. Table 2 gives information on the issue and payment of Bank of Italy bank drafts. Tables 3 to 6 contain data, some estimated, on the use of retail payment services and instruments. Tables 7 and 8 include data on the CAI (Interbank Database on Irregular Cheques and Payment Cards). The information regards the flows and stock of rejected cheques for lack of funds or authorization, broken down by geographical area and sector of economic activity. From the issue of October 2016 onwards the tables 9 and 10, containing data on the circulation of euro banknotes in Italy, are published. Tables 11 to 17 cover the Bank of Italy's BI-COMP and, until the 16th of May 2008, BIREL interbank clearing and settlement systems, with information on the participation of banks and non-banks and on the volumes handled and settled. Tables 14 and 15 contain the available information regarding the activity on TARGET2-Bank of Italy of Italian participants. Tables 18 to 20 give information on the securities sector. In particular, the series cover securities deposited in Italy. For a more detailed definition of the items involved, see the Glossary section in the Appendix to the Bank of Italy's Annual Report in Italian. Stocks are end-of-period data. Unless otherwise indicated, the series include transactions involving residents and non-residents in lire and foreign currency. Discrepancies in totals are caused by rounding; the most recent data in Table 1 and Tables 3 to 6 may also reflect revisions in the reports sent by banks and by Ente Poste S.p.A..

Notes to the tables

This section describes the methods and sources of the statistics published in the report. The notes are ordered according to the code of the tables and are organized according to their content.

TSP00011 - Point of access to the payment system

The points of access to the payment system are the physical places where it is possible to use payment services. The table refers to ATMs (Automated Teller Machines) and POS terminals (Points of sale) pertaining to reporting institutions. ATMs and POS terminals are considered active if they are used at least once a year. ATMs permit a variety of banking transactions to be carried out: cash dispensers only permit cash withdrawals, whereas multi-function ATMs allow customers to deposit cash and cheques, obtain information on their accounts, make credit transfers and pay utility bills. Branch ATMs are located inside or outside bank branches. Bank POS terminals are installed at retail

and service outlets and allow cardholders to pay for goods and services automatically. Post office POS terminals allow transactions to be carried out with Bancomat cards issued by banks.

TSP00032 - Clearing systems: number of direct participants

The item "National Clearing" comprises the operators that participate in at least one of the subsystems of this procedure and settle their multilateral balances on their centralized accounts. In 1997 four subsystems were involved in the procedure ("Local Clearing", "Retail", "Electronic Memoranda", and "Wholesale"). The "Electronic Memoranda" subsystem was discontinued

Payment System

in November 1998. The applications of the "Wholesale" subsystem were gradually transferred to the BI-REL gross settlement system; this process was completed in January 1998.

TSP00034 - The Bi-Rel/Target2 - Bank of Italy real time gross settlement system: number of participants

Direct participants in the system TARGET2-Bank of Italy are holders of settlement accounts (PM accounts), they access to all facilities of the settlement system and they can enter their own transactions on indirect participants' behalf. Indirect participants do not hold a settlement account, they settle their transactions via a direct participant. Intraday overdraft account holders can draw on the Bank of Italy's intraday liquidity facility to facilitate the real-time settlement of transactions on centralized accounts; intraday credit requires collateral in the form of securities. Indirect participants and other agents not participating in the system are eligible to hold centralised settlement accounts (HAM accounts), external to the gross settlement system. Banks with indirect reserves are banks whose compulsory reserves are maintained by other banks; indirect reserves were introduced at the start of the third stage of the Economic and Monetary Union. co−management is the situation whereby the HAM account holder confers to another party (the co-minusmanager) the power to manage the account. The co-manager needs to hold a settlement account while the co-managed needs to hold a HAM account. Before the 19th of May 2008, date on which TARGET2 went live and BI-REL was supplanted by the Italian component of the new system (TARGET2-Bank of Italy), indirect participants were classified as "active" - indirect participants which, pursuant to a bilateral agreement with a direct participant, were entitled to send and receive payments in the system and access to a limited number of the system's facilities - or "passive".

TSP00035 - Payments channeled through BI-Rel and Target2-Bank of Italy and intraday liquidity: numbers and amounts

Total payments comprise all the transactions settled on banks' centralized accounts (PM accounts), net of clearing credit balances. Compared with the total, the debit component does not include transactions credited by the Bank of Italy. As from 31 August 2015, the statistical aggregates do not include the cash side of the securities transactions, settled through the Target2-Banca d'Italia Dedicated Cash Accounts (DCA) following the migration of the Italian central securities depository Monte Titoli to the Eurosystem's platform for securities settlement Target2 Securities. Average queuing time is the simple average of the queuing times (in minutes) of all debit payments. The credit line available to participants is equal to the average availability on overdraft accounts ;this is the same as the value of the collateral given in securities, reduced by a suitable percentage.

TSP00037 - Payments channeled through the Local Clearing subsystem: numbers and amounts

Gross flows of payments settled through the "Local Clearing" subsystem. These comprise the credit and debit items of each category of participants in the subsystem vis- -vis all the other categories.

TSP00038 - Payments channeled through the Retail subsystem: numbers and amounts

Gross flows of payments settled through the "Retail" subsystem. Credit or debit items of participants by type of transaction. Each transaction, which is recorded in the clearing accounts of both the creditor and the debtor, is considered only once. Since July 2001, the item "Bancomat" includes payments with Bancomat debit card authorized to the "PagoBancomat" procedure.

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TSP00042 - Monte Titoli securities depository: number of participants

Number of holders of one or more securities accounts with Monte Titoli S.p.A. The item "Issuers" comprises those that are not included elsewhere in the table, exclusively as regards financial instruments they themselves issued and those issued by companies they controlled. The item "Other" comprises Cassa di compensazione e garanzia S.p.A., Borsa Italiana S.p.A., and international organizations.

TSP00043 - Government securities on deposit: amounts

Face value of the stock of government securities deposited with central securities depositories. In a decree issued on 23 August 2000 the Minister of the Treasury provided for the transfer of the running of the central government securities depository from the Bank of Italy to Monte Titoli S.p.A. The handover took place on 11 December 2000. The figures for BTP include the amount of coupon stripping.

TSP00044 - Securities deposited with 'Monte Titoli SpA': numbers and amounts

Face value of the stock of securities deposited with the central securities depository run by Monte Titoli S.p.A. The figures for shares include the units of closed-end real-estate investment funds. On the occasion of the publication on 16 May 2006 of this edition of the "Supplements to the statistical bulletin - Payment System", Monte Titoli S.p.A. has updated the time series of warrants, as of the first quarter of 1998. The updated figures are evaluated by multiplying the number of securities deposited and subdeposited times the conventional value of 0.30 euro. Foreign securities are securities issued by non-residents. As of the fourth quarter 2003 they also include shares and warrants. Subdeposited securities are securities subdeposited with foreign central securities depositories with which Monte Titoli S.p.A. has established bilateral operating links and, until the third quarter of 2000, Italian government securities subdeposited with the central government securities depository run by the Bank of Italy.

During the fourth quarter of 2000, on 11 December, the running of this central securities depository was handed over to Monte Titoli S.p.A. in accordance with the decree issued on 23 August 2000 by the Minister of the Treasury. The data for 1998 are partly estimated.

TSP00213 - Bank of Italy bank draft

Special drafts comprise those issued for personal income tax (IRPEF) and INPDAl (formerly ENPAS) severance payments to public-sector employees. Payments do not correspond to issues because they may refer to drafts issued in the preceding quarter and because some drafts may not generate a payment for a variety of reasons (returned to the tax authorities, lost, beneficiary not found, etc.).

TSP00220 - Bank payment services and instruments: numbers and amounts

Starting from March 2009 the data are drawn from the latest version of the accounting supervisory reports; as usual some components of the data are estimated. Bank cheques and ordinary postal cheques refer only to those used to make payments and thus do not include those used by account holders to withdraw cash. Credit transfers also include postal account deposits, post office giros and international postal money orders. The instructions for paperless credit transfers are transmitted electronically or inputted via ATMs. From March 2009 paperless credit transfers include the pension payments made by Poste SpA. In the case of direct debits, clients authorize their bank to accept debit orders from named sources; they include direct debits for instalments (RIDs) and those for regular payments (RIAs). The RIBA (Ricevuta bancaria elettronica) procedure serves for the collection of credits deriving from commercial transactions; the creditor delivers collection orders to its own bank which sends the information in electronic form to the banks indicated by the debtors. Under the MAV (Pagamento mediante avviso) electronic collection procedure customers receive a notice to pay that they can use to make payment at any bank participating in the procedure or at a post office. Debit card payments at POS terminals comprise pay-

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ments for the purchase of goods and services by means of automated equipment located on the premises of the commercial outlet that can be activated by the entry of the payer's PIN.

TSP00224 - Home and corporate banking services: number of users

Services provided electronically using direct links and bank and non-bank networks. Information services are those that only allow customers to receive information on their positions vis-à-vis the bank (account statements, the outcome of bill collections, etc.). Phonebanking services are included. Information and transaction services are those that allow customers both to receive information and to make payments. Corporate banking services allow firms not only to send payment and collection orders but also to receive information on their accounts with a number of banks. The figure for 2012 was affected by the processes of merger and reorganization that resulted in a redefinition of home banking services to the households.

TSP00341 - The Bi-Comp clearing system: amounts

Gross flows comprise the total credit (or debit) items presented by participants in the clearing system, with each transaction considered only once. The "Electronic memoranda" subsystem was discontinued in November 1998. The applications of the "Wholesale" subsystem were gradually transferred to the BI-REL gross settlement system; this process was completed in January 1998. The multilateral balances represent the imbalance of each member vis-à-vis all the other taken together. The balances of the Bank of Italy, the Provincial State Treasury and Ente Poste S.p.A. are included.

TSP00343 - The Bi-Rel and Target2-Bank of Italy real time gross settlement system: amounts

Until the 16 May 2008 data relate to the payments settled through the BIREL system. Afterwards data refer to the payments settled through TARGET2-Bank of Italy. As from 31 August 2015, the statistical aggrega-

tes do not include the cash side of the securities transactions, settled through the Target2-Banca d'Italia Dedicated Cash Accounts (DCA) following the migration of the Italian central securities depository Monte Titoli to the Eurosystem's platform for securities settlement Target2 Securities. Domestic transactions -both interbank and customer payments -are calculated only once. Cross-border flows are calculated net of transactions concluded with Banca d'Italia. Interbank transactions include -in addition to the items shown - interbank transfers, the transfers executed by Monte Titoli SpA to the gross settlement system participants to credit the amounts of coupons on government securities and government securities falling due, transactions executed through Express (the gross settlement system for securities transactions handled by Monte Titoli SpA) and the other interbank transfers among the gross settlement system participants. Cross-border border interbank flows include the payments associated to the transactions carried out through the foreign-exchange settlement system CLS and those stemming from the multilateral clearing balances of the EURO1 system, managed by the Euro Banking Association (EBA) Clearing Company. Multilateral balances stemming from ancillary systems include the debit balances of the Local Clearing procedure and the net securities settlement system. As of July 2003 also credit balances are considered. The operations with Banca d'Italia include - in addition to the items shown - cash withdrawals/deposits by intermediaries at the Bank's branches, charges and fees debited to participants' accounts by the Bank, the repayment of coupons on government securities and government securities falling due pledged as collateral against central bank credit. Monetary policy operations include credit and debit payments associated with the settlement of open market operations and standing facilities. Until the 31 August 2015 DVP Express transactions are also included. Government payments include electronic collection of taxes and contributions and electronic orders of payments, the other payments made on behalf of the State

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Treasury through automated procedures or through the Bank's branches.

TSP01100 - Banknotes issued by Bank of Italy

Number of euro banknotes withdrawn at Banca d'Italia branches by banks, Postal system or other subjects, broken down by denomination. For total withdrawals also the value in euro is provided.

TSP01200 - Banknotes returned to Bank of Italy

Number of euro banknotes lodged at Banca d'Italia branches by banks, Postal system or other subjects, broken down by denomination. For total lodgments also the value in euro is provided.

TSP20100 - Rejected cheques by location of issuer - flows

The data are taken from the Interbank Database on Irregular Cheques and Payment Cards. The amounts refer to the unpaid portion of the face value of cheques. Reporting of cheques rejected for lack of authorization began on June 2002 and of those rejected for lack of funds in August of that year. To ensure comparability of the two series, the published data for both begin in August 2002. Geographical area is defined as the province in which the revoked issuer is located. The sums of the figures relating to the geographical areas do not generally match the totals reported in the table, because the latter ones also include the data concerning the revoked issuers located abroad.

TSP30100 - Rejected cheques and revoked authorizations by location and economic sector of issuer

The data are taken from the Interbank Database on Irregular Cheques and Payment Cards. The amounts

refer to the unpaid portion of the face value of cheques. Geographical area is defined as the province in which the revoked issuer is located. The sums of the figures relating to the geographical areas do not generally match the totals reported in the table, because the latter ones also include the data concerning the revoked issuers located abroad.

TSP60100 - Payment cards: numbers

The data refer to the universe of bank and non-bank issuers. Credit cards in use (i.e. used at least once during the year) include those that can be used for other purposes (as debit and cheque guarantee cards). The number of debit cards refers to those outstanding at the end of the year issued by each declaring bank. Debit cards for cash withdrawals can only be used at ATMs. Prepaid cards ("electronic purses", i.e. sums loaded onto microchip cards) are those that can be used at different commercial outlets, so that single-purpose cards (such as prepaid telephone cards) are excluded, as are "limitedpurpose" cards that can only be used at a limited range of commercial outlets. The number of prepaid cards refers to the cards issued by the issuers that are outstanding at the end of the year. It includes those that can be used for other purposes (as debit, credit and cheque guarantee cards).

TSP80000 - Payment by credit cards

The numbers and amounts of transactions carried out in Italy and abroad by holders of credit cards. Transactions carried out using corporate cards are settled on companies bank accounts. The information refers to the universe of bank and non-bank issuers.

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