

Payment System

25 October 2019

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Figure 1

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

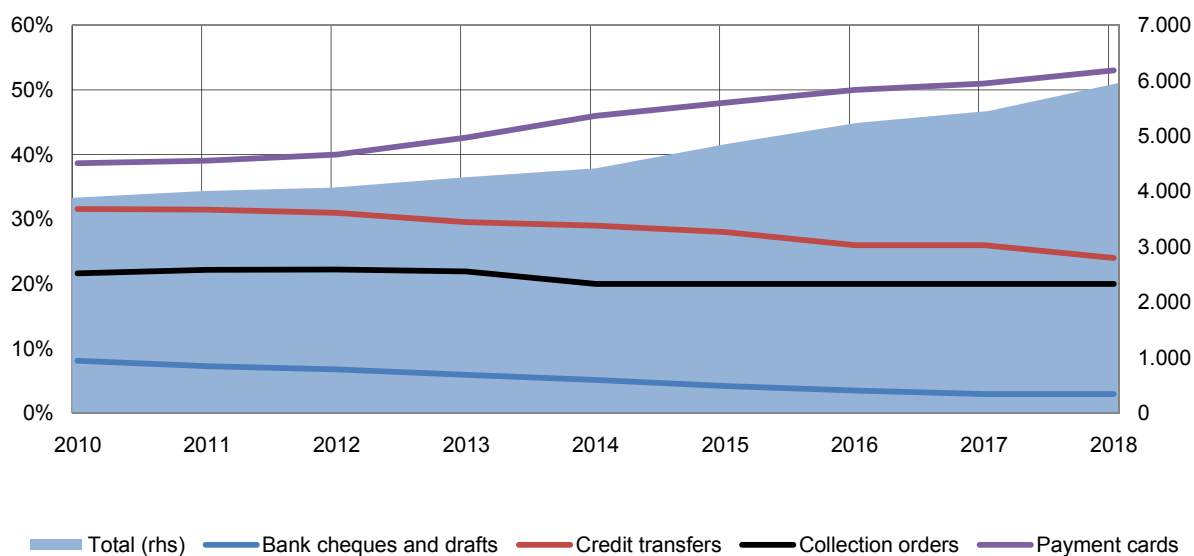
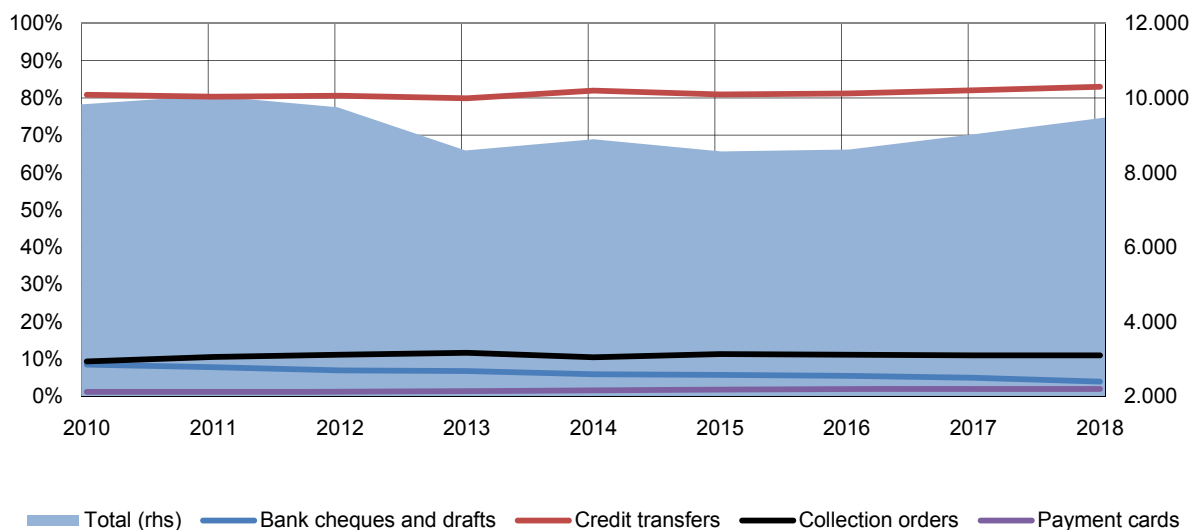


Figure 2

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



Reference period: September 2019

General information

- I Unless indicated otherwise, figures have been computed by the Bank of Italy.
- II Symbols and Conventions:
 - the phenomenon 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 electronic database holding the information to be released to the public. A similar code identifies the different aggregates shown in each table.

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Section 1

Methods of payment

available to customers

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				
			<i>Cash dispenser</i>	Multi-function	<i>Cash dispenser</i>	Multi-function			
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
2017	538	27,374	3,196	33,210	530	4,348	2,401,099	12,580	61,879
2018	505	25,409	2,855	32,804	483	4,254	3,090,614	12,750	80,560

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		
2016 - 3rd qtr.....	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
2017 - 1st qtr.....	9	85.4	32	86.3	41	171.7	61	254.5
2nd ".....	13	138.6	-	-	13	138.6	19	143.5
3rd ".....	12	116.8	3	11.0	15	127.9	20	127.6
4th ".....	18	131.7	46	130.0	65	262.1	71	239.7
2018 - 1st qtr.....	7	135.5	60	176.0	67	311.5	37	214.2
2nd ".....	9	99.0	3	6.1	12	105.1	47	236.3
3rd ".....	8	89.6	21	68.0	29	157.6	24	141.5
4th ".....	13	133.4	45	117.5	58	250.9	58	222.1
2019 - 1st qtr.....	6	118.3	16	47.5	22	165.8	31	189.7
2nd ".....	8	95.3	32	80.3	40	175.6	40	178.0

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)

2016 - 3rd qtr.....	39,594	4,741	326,698	158,024	196,806	67,828	1,961	463,991	1,101,619
4th ".....	41,909	5,402	360,365	177,189	209,582	63,226	1,876	494,832	1,177,192
2017 - 1st qtr.....	37,654	4,700	346,791	170,092	212,026	76,924	1,868	456,872	1,136,835
2nd ".....	38,146	4,825	350,311	173,326	210,910	67,594	1,778	481,684	1,155,249
3rd ".....	35,819	4,290	333,003	168,262	193,937	61,852	1,643	488,679	1,119,224
4th ".....	37,368	4,850	360,568	186,613	205,951	59,364	1,745	514,204	1,184,050
2018 - 1st qtr.....	34,030	4,332	348,765	182,036	220,741	71,043	1,826	488,924	1,169,661
2nd ".....	34,116	4,262	362,008	188,330	225,367	62,692	1,703	516,252	1,206,400
3rd ".....	32,430	3,699	349,306	183,269	230,115	61,153	1,577	532,149	1,210,429
4th ".....	34,999	4,324	389,972	210,681	243,397	60,194	1,571	587,229	1,321,687
2019 - 1st qtr.....	29,740	3,913	361,335	194,499	231,247	67,519	1,529	556,537	1,251,821
2nd ".....	30,311	3,739	378,850	204,299	243,424	62,767	1,484	598,532	1,319,107

(millions of euros)

2016 - 3rd qtr.....	75,783	35,310	1,623,271	984,991	91,776	139,050	16,506	27,810	2,009,506
4th ".....	81,551	42,681	1,900,120	1,163,684	92,772	124,391	16,433	30,542	2,288,489
2017 - 1st qtr.....	74,533	36,777	1,818,471	1,143,822	101,001	146,998	16,085	26,994	2,220,859
2nd ".....	71,910	40,047	1,857,403	1,178,726	101,611	134,277	16,474	28,327	2,250,049
3rd ".....	68,093	33,330	1,735,488	1,086,205	93,327	130,305	14,408	28,225	2,103,175
4th ".....	74,423	40,829	2,011,013	1,258,214	105,760	118,909	14,577	30,382	2,395,894
2018 - 1st qtr.....	68,082	34,694	1,936,328	1,245,875	111,106	141,026	14,205	27,831	2,333,271
2nd ".....	65,573	38,297	2,000,503	1,269,919	112,151	128,622	13,039	29,411	2,387,596
3rd ".....	62,003	31,834	1,804,878	1,103,443	110,188	134,433	13,446	29,314	2,186,096
4th ".....	69,386	39,910	2,090,084	1,253,008	114,907	124,205	13,050	33,059	2,484,600
2019 - 1st qtr.....	59,836	32,946	1,836,728	1,187,978	108,892	137,164	13,217	29,568	2,218,351
2nd ".....	58,858	35,766	1,915,797	1,241,909	115,516	131,520	12,694	32,203	2,302,355

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			
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	52,373	907	51,466	26,422
2017	13,497	12,520	977	54,142	927	53,214	28,352
2018	14,821	13,600	1,221	56,298	63	56,235	27,511

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		
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
2017	5,369,427	277,170	40,687,854	3,476,110	49,810,561	2,117,390
2018	5,483,067	257,494	46,447,402	3,890,801	56,078,764	2,264,351

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
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
2017	776,708	78,829	55,318	10,516
2018	947,429	104,963	65,264	15,072

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

2019 - Apr.....	795	4.2	1,458	4.8	2,020	6.7	5,671	18.2	9,953	34.0
May.....	978	5.5	1,998	6.8	2,413	9.1	6,642	23.5	12,047	44.9
June.....	697	2.9	1,541	5.4	1,897	5.4	5,621	21.4	9,768	35.2
July.....	777	3.8	1,625	5.5	2,029	6.8	6,313	21.8	10,755	38.0
Aug.....	914	4.6	1,767	5.4	2,196	6.7	6,210	19.1	11,097	35.8
Sept.....	847	4.1	1,707	4.9	2,332	7.6	6,409	19.1	11,301	35.7

Cheques rejected for lack of authorization

2019 - Apr.....	247	1.1	597	1.8	779	2.3	2,662	8.6	4,289	13.9
May.....	331	1.1	772	2.1	998	2.7	2,976	7.9	5,085	13.8
June.....	300	0.8	651	2.0	779	2.6	2,707	9.6	4,443	15.0
July.....	393	1.8	773	2.6	988	2.9	3,262	9.8	5,425	17.2
Aug.....	296	1.1	781	2.2	914	2.6	3,088	8.7	5,087	14.6
Sept.....	331	1.0	724	2.0	878	2.5	3,046	8.8	4,991	14.3

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; June 2019)

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>	5,218	24.8	1,924	10.3	7,142	35.1	4,909	2,782
Households	<i>600</i>	1,963	5.5	834	5.8	2,797	11.3	4,028	1,429
Non-financial enterprises.	<i>SBI25</i>	3,218	19.2	1,073	4.4	4,291	23.6	5,506	1,317
Other	<i>SBI124</i>	37	0.1	17	0.1	54	0.2	3,104	36
North-West	<i>ITC</i>	10,247	35.3	4,259	12.7	14,506	48.0	3,309	6,303
Households	<i>600</i>	5,147	13.9	2,228	5.3	7,375	19.3	2,612	3,925
Non-financial enterprises	<i>SBI25</i>	5,007	21.2	1,983	7.3	6,990	28.5	4,072	2,312
Other	<i>SBI124</i>	93	0.2	48	0.1	141	0.3	1,945	66
Centre	<i>ITI</i>	13,187	41.9	5,334	15.7	18,521	57.6	3,112	7,023
Households	<i>600</i>	5,479	11.7	2,477	5.7	7,956	17.4	2,186	3,850
Non-financial enterprises	<i>SBI25</i>	7,556	29.7	2,802	9.9	10,358	39.6	3,824	3,076
Other	<i>SBI124</i>	152	0.5	55	0.1	207	0.6	3,120	97
South and Islands	<i>ITFGBI1</i>	37,904	126.3	17,599	53.2	55,503	179.5	3,235	18,484
Households	<i>600</i>	17,019	34.4	8,227	17.3	25,246	51.7	2,049	10,776
Non-financial enterprises	<i>SBI25</i>	20,537	91.2	9,259	35.8	29,796	127.0	4,261	7,480
Other	<i>SBI124</i>	348	0.7	113	0.2	461	0.8	1,817	228
Italy and abroad	<i>WRDBI2</i>	66,615	228.5	29,150	92.0	95,765	320.5	3,347	34,641
Households	<i>600</i>	29,635	65.6	13,781	34.2	43,416	99.7	2,297	20,005
Non-financial enterprises	<i>SBI25</i>	36,340	161.4	15,128	57.4	51,468	218.7	4,250	14,195
Other	<i>SBI124</i>	640	1.5	241	0.5	881	2.0	2,318	441

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
2016 - 3rd qtr.....	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
2017 - 1st qtr.....	19.8	573,930.3	30,995.7	47,471.8	205,035.6	279,721.7	10,695.0	4.7	5.8
2nd ".....	22.9	671,323.0	36,500.1	53,936.4	244,845.2	325,694.2	10,339.2	2.6	5.2
3rd ".....	22.7	656,646.5	34,140.8	49,539.3	236,842.1	326,147.6	9,963.4	9.6	3.8
4th ".....	25.5	731,054.4	39,821.8	53,077.8	258,873.7	366,187.2	13,072.3	17.9	3.7
2018 - 1st qtr.....	19.0	554,570.1	31,052.1	44,871.1	200,241.7	269,558.9	8,837.5	5.4	3.4
2nd ".....	21.7	633,940.2	34,410.7	47,911.8	231,090.7	311,600.0	8,919.9	4.1	3.0
3rd ".....	22.9	658,616.4	34,563.2	45,329.0	237,760.8	332,034.9	8,921.4	4.7	2.3
4th ".....	26.9	774,356.0	41,908.2	60,504.3	271,724.5	388,039.9	12,165.5	9.4	4.3
2019 - 1st qtr.....	19.3	560,225.6	30,926.3	44,137.0	197,924.4	279,153.7	8,077.8	5.0	1.4
2nd ".....	22.0	645,180.6	35,921.5	55,099.7	228,704.1	317,412.4	8,003.9	39.0	0.0

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
2016 - 3rd qtr.....	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
2017 - 1st qtr.....	23.3	639,814.6	37,619.0	63,278.4	242,318.9	272,949.6	18,348.1	1,600.3	3,700.2
2nd .. "	21.8	598,007.1	36,108.1	63,747.0	220,262.7	254,851.0	18,056.1	1,590.2	3,392.1
3rd ... "	22.5	625,033.7	39,336.0	70,396.7	228,954.4	260,988.6	20,473.1	1,691.6	3,193.3
4th ... "	19.6	539,030.7	33,243.9	57,056.9	197,554.9	229,147.7	17,673.4	1,551.9	2,802.0
2018 - 1st qtr.....	23.3	635,751.8	36,071.3	59,207.8	234,139.8	281,530.9	20,510.3	1,586.7	2,705.0
2nd .. "	21.7	603,857.7	37,573.3	62,741.3	222,180.1	256,849.2	20,463.7	1,572.7	2,477.5
3rd ... "	22.4	627,252.2	40,090.6	67,071.7	229,639.9	263,774.2	22,704.5	1,635.6	2,335.7
4th ... "	19.5	548,276.7	34,045.8	57,770.8	204,612.0	229,125.7	19,194.3	1,457.1	2,071.0
2019 - 1st qtr.....	23.8	657,859.9	37,177.0	62,967.1	245,318.7	286,782.6	21,613.7	1,520.1	2,480.7
2nd .. "	20.7	578,015.0	36,252.4	61,590.2	209,658.7	245,406.2	21,467.2	1,602.5	2,037.8

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
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
2017	89	44	....	78	84	397	67	21
2018	85	41	....	70	81	367	61	23

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
2012	87	87	41	....	....	....
2013	85	85	41	....	....	....
2014	78	78	41	....	....	....
2015	74	74	37	....	....	....
2016	71	71	36	....	....	....
2017	64	64	34	....	....	....
2018	60	60	32	....	....	....

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	
2016	173	1,734	....	....	1,905	682
2017	164	1,864	....	....	2,027	757
2018	64	1,941	....	....	2,005	772
2018 - Oct.	0	176	....	....	176	66
Nov.	0	162	....	....	162	64
Dec.	0	189	....	....	189	78
2019 - Jan.	0	163	....	....	163	62
Feb.	0	156	....	....	156	59
Mar.	0	160	....	....	160	62
Apr. ....	....	162	....	....	162	64
May ....	....	168	....	....	168	66
June ....	....	162	....	....	162	63
July ....	....	191	....	....	191	74
Aug. ....	....	150	....	....	150	62
Sept. ....	....	160	....	....	160	62

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	Monetary policy		of which:			
cross-border	e-MID		Treasury								
2016	28,293.3	21,342.9	18,502.4	1,022.2	2,659.4		1,424.9	1,233.6	3,057.6
2017	27,191.8	20,270.4	17,191.4	855.3	2,826.2	1,599.5	1,388.9	2,706.1	....	....
2018	27,730.1	20,840.9	17,685.9	278.3	2,949.0	1,696.8	1,420.6	2,519.9	....	....
2018 - Oct.	2,562.1	1,934.9	1,611.7	10.2	267.3	151.6	122.0	237.8	....	....
Nov.	2,380.6	1,767.8	1,491.6	9.6	219.6	123.1	117.7	275.6	....	....
Dec.	2,463.1	1,676.8	1,440.6	12.6	297.2	168.9	138.1	351.1	....	....
2019 - Jan.	2,454.6	1,903.3	1,648.6	20.1	247.4	142.2	116.1	187.8	....	....
Feb.	2,183.4	1,654.5	1,457.4	13.8	213.7	122.5	109.6	205.7	....	....
Mar.	2,311.8	1,787.1	1,565.9	8.0	243.0	143.8	114.3	167.4	....	....
Apr.	2,075.8	1,554.6	1,326.1	7.6	241.0	138.7	119.9	160.3	....	....
May	2,230.5	1,648.4	1,404.9	6.9	263.8	157.7	122.3	196.1	....	....
June	2,108.0	1,551.7	1,397.0	4.8	254.3	149.5	115.7	186.4	....	....
July	2,382.5	1,726.4	1,585.1	7.3	294.9	171.5	138.7	222.5	....	....
Aug.	1,924.5	1,458.5	1,344.1	5.2	203.1	120.3	113.3	149.6	....	....
Sept.	2,080.0	1,519.2	1,396.0	3.5	251.7	152.4	115.1	193.9	....	....

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				
2016	28,293.3	11,886,562	....	....	....	....	98.2	9.1
2017	27,191.8	12,474,229	....	....	....	....	79.5	3.1
2018	27,730.1	12,342,505	....	....	....	....	62.3	2.7
2018 - Oct.	2,562.1	1,130,005	....	....	....	....	61.8	3.0
Nov.....	2,380.6	1,007,668	....	....	....	....	61.8	2.6
Dec.....	2,463.1	1,000,565	....	....	....	....	61.6	2.3
2019 - Jan.	2,454.6	974,844	....	....	....	....	61.6	3.4
Feb.....	2,183.4	950,711	....	....	....	....	61.6	3.2
Mar.....	2,311.8	1,029,235	....	....	....	....	61.6	3.5
Apr.	2,075.8	1,045,879	....	....	....	....	61.6	3.6
May	2,230.5	1,081,285	....	....	....	....	61.6	3.6
June	2,108.0	978,933	....	....	....	....	61.2	4.1
July.....	2,382.5	1,160,877	....	....	....	....	60.9	3.8
Aug.....	1,924.5	873,270	....	....	....	....	60.9	3.4
Sept.....	2,080.0	1,000,900	....	....	....	....	60.9	3.4

Interbank exchange and settlement circuits
Table 16

Access to data:

[TSP00037](#)
Payments channeled through the Local Clearing subsystem (until April 1st, 2019)

(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)

2016	21,934	22,689	190	0	....	2	1,440	872	23,564	23,564
2017	21,223	21,813	106	0	....	0	1,286	803	22,616	22,616
2018	7,219	7,343	....	....	....	....	534	458	7,801	7,801
2018 - Apr.	1,260	1,321	21	0	....	0	94	54	1,375	1,375
May	1,025	1,056	3	0	....	0	76	49	1,105	1,105
June	371	384	1	0	....	0	27	15	399	399
July.....	62	66	0	0	....	0	5	1	66	66
Aug.....	0	0	....	....	....	....	0	0	1	1
Sept.....	0	0	....	....	....	....	0	0	0	0
Oct.	0	0	....	....	....	....	0	0	1	1
Nov.....	0	0	....	....	....	....	0	0	0	0
Dec.....	0	0	....	....	....	....	0	0	0	0
2019 - Jan.	0	0	....	....	....	....	0	0	0	0
Feb.....	0	0	....	....	....	....	0	0	0	0
Mar.....	0	0	....	....	....	....	0	0	0	0

(in billions of euros)

2016	156.3	160.5	0.7	0.0	....	1.0	14.5	10.0	171.4	171.4
2017	146.7	154.4	0.6	0.0	....	0.8	15.2	7.3	162.6	162.6
2018	55.5	61.1	....	....	....	....	9.0	3.2	64.7	64.7
2018 - Apr.	9.7	10.6	0.1	0.0	....	0.1	1.4	0.5	11.2	11.2
May	7.7	8.4	0.0	0.0	....	0.1	1.2	0.5	8.9	8.9
June	2.7	3.1	0.0	0.0	....	0.1	0.5	0.1	3.3	3.3
July.....	0.2	0.3	0.0	0.0	....	0.1	0.2	0.0	0.4	0.4
Aug.....	0.0	0.0	....	....	....	....	0.0	0.0	0.0	0.0
Sept.....	0.0	0.0	....	....	....	....	0.0	0.0	0.0	0.0
Oct.	0.0	0.0	....	....	....	....	0.0	0.0	0.0	0.0
Nov.....	0.0	0.0	....	....	....	....	0.0	0.0	0.0	0.0
Dec.....	0.0	0.0	....	....	....	....	0.0	0.0	0.0	0.0
2019 - Jan.	0.0	0.0	....	....	....	....	0.0	0.0	0.0	0.0
Feb.....	0.0	0.0	....	....	....	....	0.0	0.0	0.0	0.0
Mar.....	0.0	0.0	....	....	....	....	0.0	0.0	0.0	0.0

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)							
2016	1,451,057	128,550	217,370	275,966	....	1,482	2,074,424
2017	1,516,248	114,682	215,439	322,186	....	1,327	2,169,882
2018	1,507,843	115,996	204,356	327,798	....	....	2,156,519
2018 - Oct.	131,266	11,102	17,510	29,571	....	....	189,449
Nov.....	120,044	9,791	14,412	27,866	....	....	172,112
Dec.....	143,392	10,767	16,033	32,406	....	....	202,598
2019 - Jan.	118,967	9,657	17,265	27,761	....	....	173,650
Feb.....	107,667	8,476	16,120	26,367	....	....	158,629
Mar.....	113,530	9,001	15,756	27,889	....	....	166,176
Apr.	126,799	9,060	16,153	28,437	....	....	180,448
May	121,308	9,745	16,603	29,715	....	....	177,370
June	117,271	8,807	15,781	28,283	....	....	170,142
July.....	140,746	10,548	17,932	32,495	....	....	201,722
Aug.....	118,898	7,189	15,537	25,667	....	....	167,292
Sept.....	125,148	8,327	16,540	27,629	....	....	177,643
(billions of euros)							
2016	104.0	231.8	408.6	983.3	....	4.8	1,732.5
2017	109.0	216.5	419.9	1,115.1	....	4.5	1,864.9
2018	108.4	295.1	424.4	1,109.9	....	....	1,939.3
2018 - Oct.	9.3	32.2	38.2	96.7	....	....	176.4
Nov.....	8.6	29.0	32.2	92.1	....	....	161.8
Dec.....	10.7	32.7	32.8	112.6	....	....	188.8
2019 - Jan.	8.5	27.5	37.1	90.4	....	....	163.5
Feb.....	7.6	25.6	35.7	86.9	....	....	155.7
Mar.....	8.1	27.0	33.7	91.5	....	....	160.3
Apr.	9.1	26.6	33.4	92.4	....	....	161.6
May	8.8	28.5	34.7	96.4	....	....	168.4
June	8.5	26.5	34.2	92.8	....	....	162.1
July.....	10.2	32.1	38.2	110.9	....	....	191.4
Aug.....	8.5	22.8	34.4	83.9	....	....	149.7
Sept.....	8.9	23.8	36.7	91.0	....	....	160.4

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	Issues	Other	Total
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
2017	55	11	1	13	2,426	119	2,625
2018	51	10	1	13	2,460	126	2,661

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	
2016 - 4th qtr.....	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
2nd ".....	110.9	6.0	1,889.9	1.2	409.5	200.3	11.0	111.1	111.1	2,739.9
3rd ".....	109.8	5.0	1,892.6	1.2	400.8	203.2	10.3	102.8	102.8	2,725.7
4th ".....	112.4	4.2	1,875.5	1.4	377.6	223.8	9.7	102.0	102.0	2,706.6
2018 - 1st qtr.....	126.0	3.8	1,912.2	1.4	358.9	215.4	8.8	88.7	88.7	2,715.2
2nd ".....	124.3	3.4	1,934.8	1.4	367.0	182.9	8.4	90.0	90.0	2,712.2
3rd ".....	123.1	3.6	1,944.7	1.4	368.7	187.6	7.9	91.1	91.1	2,728.1
4th ".....	122.5	3.5	1,933.7	1.4	374.2	219.9	8.4	88.6	88.6	2,752.1
2019 - 1st qtr.....	122.3	3.2	1,963.4	1.4	367.2	217.8	6.5	85.2	85.2	2,767.1
2nd ".....	114.6	3.6	1,991.6	1.4	366.8	230.2	7.1	84.1	84.1	2,799.3
3rd ".....	113.6	3.0	1,986.6	1.5	364.4	218.2	7.2	84.3	84.3	2,778.8

Table 20

Access to data:
[TSP00043](#)

Government securities deposited

(stocks; amounts in billions of euros)

	BOTs	CTZs	BTPs	CCTs	CTEs	Total
2016 - 4th qtr.....	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
2nd ".....	115.8	44.8	1,593.1	136.1	....	1,889.8
3rd ".....	115.2	38.6	1,597.6	141.1	....	1,892.5
4th ".....	106.6	40.6	1,595.1	132.9	....	1,875.2
2018 - 1st qtr.....	112.9	40.5	1,619.4	139.2	....	1,912.0
2nd ".....	113.5	45.6	1,640.7	134.8	....	1,934.6
3rd ".....	112.9	51.7	1,642.0	138.1	....	1,944.7
4th ".....	114.6	45.6	1,644.6	128.9	....	1,933.7
2019 - 1st qtr.....	115.5	55.5	1,659.1	133.3	....	1,963.4
2nd ".....	116.6	55.0	1,684.1	135.9	....	1,991.6
3rd ".....	119.4	61.2	1,666.5	139.5	....	1,986.6

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. Data do not include ATM offered in Italy by providers authorised abroad under the freedom to provide services.

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 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-ReIL/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&minusmanagement 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 (until April 1st, 2019): 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-à-vis all the other categories. The netting service of paper-based payments through the Bank of Italy Clearing Houses stopped on April 1st, 2019. Since then, the Clearing houses and the BI-COMP subsystem "Recapiti Locale" were closed and dismissed.

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 November 2009 the item "Collection orders" includes also SEPA direct debits. Since November 2017 the item "Credit transfers" includes SEPA Instant Credit Transfers, besides SEPA Credit Transfers. Since January 2018 the item "Cheque truncation" includes the interbank cheque clearing procedure, "Check Image Truncation" (C.I.T.) involving the digitalisation of physical paper cheques into a substitute electronic form for the presentation to the paying bank.

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 account deposits through postal (or bank) pre-printed bills, post office giros and international postal money orders. As of March 2017 postal account deposits are reported separately in the on-line version of this publication. Pre-printed bills transactions executed through third parties are reported only through the post operator; the accounting methodology led to a revision in credit transfers starting from March 2014. 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 and those for regular payments. 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 payments 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: 1) 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; 2) the statistical aggregate of multilateral balances of ancillary systems includes the balance of the settlement cycle of the BI-COMP ancillary system night-time operations. 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 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 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). 2018 data include foreign providers authorised in Italy.

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. 2018 data include foreign providers authorised in Italy.

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