



Statistics on payments and securities trading September 2020

Statistical Series

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Methodological Note:

The payment statistics were harmonised within the European monetary union beginning with the reporting year 2007 and are collected in Germany using a census survey of all monetary financial institutions (MFIs) with the exception of money market funds (according to the ECB regulation concerning the balance sheet of the monetary financial institutions sector MFIs are all institutions whose business is to receive deposits and/or close substitutes for deposits (for example, by issuing debt securities) and, for their own account, grant credit (including by investing in securities)). Since reference period 2014 the reporting population has been enlarged to all domestic payment service providers (PSPs), offering payment services to non-PSPs.

All positions regarding „Regional institutions of credit cooperatives and credit cooperatives“ consist only of figures of credit cooperatives since reporting period 2016.

Data for reference periods 2014 to 2018 have been partly amended as a result of revised payments statistics reports.

Where a field is marked with a dot, data is not available or confidential. Where a field is marked with a minus, data is nil.

Basis of the survey: Regulation of the European Central Bank nr. 1409/2013 of 28 November 2013

General guidelines on payments statistics: <https://www.bundesbank.de/resource/blob/760286/b0deb70baabea-9bea65d541b4a7ea308/mL/statso01-07-zahlungsverkehrsstatistik-allgemeine-richtlinien-data.pdf>

Table 1 - Basic statistical data

	2015	2016	2017	2018	2019
Population (thousands) ¹	81,687	82,349	82,657	82,906	83,093
GDP (EUR billions)	3,026	3,135	3,260	3,356	3,449
GDP per capita (EUR)	37,046	38,067	39,438	40,485	41,508
HICP (annual percentage changes)	0.7	0.4	1.7	1.9	1.4

¹ Annual average.

Table 2 - Settlement media used by non-PSPs ¹
(EUR billions; end of year)

	2015	2016	2017	2018	2019
Value of overnight deposits held by non-MFIs	1,849.9	2,016.8	2,185.5	2,344.6	2,453.3
of which:					
Value of transferable overnight deposits	1,086.9	1,239.1	1,382.3	1,515.7	1,596.2
<i>Memorandum items:</i>					
Overnight deposits in foreign currencies held by non-MFIs	62.1	56.3	59.6	63.6	68.8
Outstanding value on e-money storages issued by MFIs	0.1	0.1	0.1	0.1	0.1

¹ The counterpart sector "non-PSPs" includes the component sectors "Central government" and "Rest of the world". Thus, this indicator is not a synonym of the term used in the ECB concept of narrow money supply (M1).

Table 3 - Settlement media used by credit institutions
 (EUR billions; average of the last reserve maintenance period)

	2015	2016	2017	2018	2019
Value of overnight deposits held at the central bank	224.4	434.6	628.9	606.7	560.1
of which:					
Required reserves	31.2	33.5	34.4	35.5	37.1
Free reserves	193.2	401.1	594.5	571.3	522.9
Value of overnight deposits held at other credit institutions (end of period)	376.5	325.4	289.6	288.5	307.9
of which:					
Value of transferable, overnight deposits held at other credit institutions (end of period)	125.8	165.1	171.6	171.4	152.6
<i>Memorandum items:</i>					
Credit extended by the central bank	52.1	62.8	94.2	89.5	74.9
of which:					
Overnight ¹	0.1	0.0	0.0	0.1	0.0
Other (open market operations) ²	52.0	62.8	94.2	89.4	74.9

¹ Marginal lending facility.

² Other monetary policy operations vis-à-vis the Eurosystem.

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

	2015	2016	2017	2018	2019
Deutsche Bundesbank					
Number of offices	35	35	35	35	35
Number of overnight deposits (thousands)	23.0	23.0	22.9	22.9	22.9
of which:					
Number of internet/PC-linked overnight deposits (thousands)	13.6	14.1	14.4	14.8	15.4
Value of transferable overnight deposits (EUR millions)	74,356	118,635	135,379	154,421	104,809
Credit institutions (without Deutsche Bundes-bank) irrespective of their legal incorporation					
Number of institutions	1,774	1,702	1,632	1,584	1,533
Number of offices ¹	34,003	31,959	30,057	27,818	26,605
Number of overnight deposits (thousands) ²	148,108	150,866	151,359	153,183	154,828
of which:					
Number of internet/PC-linked overnight deposits (thousands)	81,474	85,971	89,337	93,527	97,960
Number of transferable overnight deposits (thousands)	101,630	103,814	103,846	105,927	107,763
of which:					
Number of internet/PC-linked transferable overnight deposits (thousands)	60,499	63,859	67,022	70,997	74,988
Value of overnight deposits (EUR billions) ²	1,776	1,898	2,051	2,190	2,348
of which:					
Value of transferable overnight deposits (EUR billions)	1,013	1,120	1,247	1,361	1,491
Number of payment accounts (thousands) ³	102,080	104,568	104,676	106,581	.
Number of e-money accounts (thousands)	449	755	830	654	672
Outstanding value on e-money storages (EUR millions)	71	67	64	53	47
Institutions legally incorporated in the reporting country					
Number of institutions	1,666	1,600	1,526	1,473	1,431
Number of offices ¹	33,744	31,708	29,797	27,555	26,336
Value of overnight deposits (EUR billions) ²	1,681	1,800	1,945	2,080	2,242
Branches of euro area-based banks					
Number of institutions operating branches	60	55	56	63	64
Number of offices	176	170	177	185	196
Value of overnight deposits (EUR billions) ²	71	76	86	93	96
Branches of EEA-based banks (outside the euro area)					
Number of institutions operating branches	29	28	31	30	24
Number of offices	48	46	48	46	38
Value of overnight deposits (EUR billions) ²	18	15	13	12	4
Branches of non-EEA-based banks					
Number of institutions operating branches	19	19	19	18	14
Number of offices	35	35	35	32	35
Value of overnight deposits (EUR billions) ²	6	7	7	5	5
Electronic money institutions					
Number of institutions	7	7	7	5	9
Number of e-money accounts (thousands)	1,025	1,215	1,362	1,548	.
Outstanding value on e-money storages (EUR millions)	.	.	.	.	36
Other institutions offering payment services to non-PSPs					
Number of institutions ⁴	46	46	51	56	75
Number of offices	66	67	97	114	130
Number of overnight deposits (thousands)	7	7	7	6	5
Number of payment accounts (thousands) ³	7	7	7	6	5
Institutions offering payment services to non-PSPs (total)					
Number of institutions	1,828	1,756	1,691	1,646	1,618
Number of offices ⁵	34,104	32,061	30,189	27,967	26,770
Number of overnight deposits (thousands)	148,138	150,897	151,388	153,212	154,856
of which:					
Number of internet/PC-linked overnight deposits (thousands)	81,488	85,985	89,351	93,542	97,975
Number of transferable overnight deposits (thousands)	101,661	103,844	103,876	105,955	107,791
of which:					
Number of internet/PC-linked transferable overnight deposits (thousands)	60,512	63,873	67,037	71,012	75,004
Value of overnight deposits (EUR billions) ²	1,850	2,017	2,186	2,345	2,453
Number of payment accounts (thousands) ³	103,135	105,814	106,068	108,158	108,667
Number of e-money accounts (thousands)	1,474	1,970	2,192	2,203	876
Outstanding value on e-money storages (EUR millions)	95	96	94	83	83

¹ Includes those post office branches of Postbank AG which are entrusted with semi-cashless payment systems on behalf of Postbank AG.

² Includes transferable and non-transferable deposits and deposits for card-based e-money.

³ Includes transferable overnight deposits and deposits for card-based e-money.

⁴ Since reference period 2012 the number of payment institutions providing services

through an established branch are added to the number of payment institutions resident in the country. The recent list of payment institutions resident in the country is published on the website of the German Federal Financial Supervisory Authority (BaFin): <https://portal.mvp.bafin.de/database/ZahlInstInfo/>

⁵ Electronic money institutions not included.

**Table 5 - Payment card functions and accepting devices
 (end of year)**

	2015	2016	2017	2018	2019
Cards issued by resident PSPs (thousands)					
Cards with a cash function	147,295	149,884	151,014	153,977	159,057
Cards with a payment function (except cards with an e-money function only)	139,248	142,677	144,364	147,448	152,899
of which:					
Cards with a debit function	106,103	108,951	109,312	111,551	115,627
Cards with a delayed debit function	28,245	28,733	29,772	30,221	31,541
Cards with a credit function	4,900	4,992	5,280	5,677	5,731
Cards with an e-money function	91,908	86,745	78,628	77,207	77,448
of which:					
Cards on which e-money can be stored directly	91,440	85,987	77,761	76,449	76,550
Cards which give access to e-money stored on e-money accounts	468	758	867	757	899
Cards with an e-money function which have been loaded at least once	3,788	4,090	4,179	3,933	3,615
Total number of cards ¹	151,136	155,586	156,985	159,378	164,726
of which:					
Cards with a combined debit, cash and e-money function	89,893	83,821	74,906	74,164	74,426
<i>Memorandum item:</i>					
Retailer cards with a payment function ²	9,766	9,900	9,400	8,553	...
Terminals provided by resident PSPs					
ATMs ³	86,702	102,056	102,675	104,152	95,289
of which:					
ATMs with a cash withdrawal function	58,811	74,930	75,695	76,889	68,363
ATMs with a credit transfer function	27,723	27,848	27,837	27,900	26,703
POS terminals ^{4, 5}	1,258,590	1,292,455	1,389,598	1,358,404	1,338,367
of which:					
Located in the reporting country	1,128,718	1,141,388	1,206,830	1,179,321	1,146,884
Located abroad	129,872	151,067	182,768	179,083	191,483
of which:					
EFTPOS terminals	913,162	946,276	998,278	1,018,037	1,061,606
E-money card terminals ⁴	448,833	489,835	493,769	463,900	386,005
of which:					
E-money card-loading terminals	61,118	60,038	58,393	57,785	59,497
E-money card-accepting terminals	387,715	429,797	435,397	406,136	326,529

¹ Irrespective of the card's number of functions.

² Data source: PaySys Consultancy GmbH. Data for reference period 2019 has not been available yet.

³ Number of physical machines – regardless of their various functions.

⁴ Only active terminals (terminals with at least one transaction in the reference period).

Including e-money retail payment terminals. Data source for terminals in Germany: Deutsche Kreditwirtschaft (DK).

⁵ Encompasses only terminals with reference to the German scheme "Girocard". To avoid double-counting, the number of terminals includes the most widespread scheme only, since terminals usually accept different card brands.

Table 6a - Transactions per type of payment instrument ¹
Number of transactions (millions; total for the year)

	2015	2016	2017	2018	2019
Credit transfers	6,019.7	6,186.2	6,298.6	6,468.2	6,675.6
of which:					
Domestic	5,887.7	6,042.4	6,133.5	6,266.3	6,439.5
Cross-border	132.0	143.7	165.1	201.8	236.1
of which:					
Initiated in paper-based form	612.2	570.5	521.3	482.9	450.8
Initiated electronically	5,407.5	5,615.7	5,777.3	5,985.2	6,224.7
of which:					
Initiated in a file/batch	2,653.9	2,706.8	2,760.3	2,836.3	2,924.7
Initiated on a single payment basis	2,753.5	2,908.9	3,017.0	3,148.9	3,300.1
of which:					
Online banking based credit transfers ²	118.0	133.3	143.3	143.9	158.2
of which:					
Non-SEPA	77.1	59.5	53.0	54.1	51.2
Credit transfers received from cross-border	120.0	129.4	181.7	187.4	202.4
Direct debits	9,675.9	9,764.5	10,305.7	10,619.9	10,978.8
of which:					
Domestic	9,566.4	9,599.2	10,086.1	10,353.7	10,673.4
Cross-border	109.5	165.3	219.6	266.2	305.4
of which:					
Initiated in a file/batch	7,990.0	8,635.5	9,411.1	9,785.9	10,125.0
Initiated on a single payment basis	1,685.9	1,129.0	894.7	834.0	853.8
of which:					
Non-SEPA	2,868.0	358.5	62.9	58.1	52.3
Payment card initiated direct debits	1,576.5	1,290.3	1,538.9	1,575.0	1,387.7
Direct debits received from cross-border	39.5	47.8	89.9	120.1	195.9
Card payments with cards issued in the country (without transactions with cards with an e-money function)	3,690.6	4,043.9	4,486.2	5,300.2	6,292.6
of which:					
Domestic	3,096.3	3,395.1	3,704.4	4,400.5	5,244.5
Cross-border	594.3	648.8	781.8	899.7	1,048.0
of which:					
Payments with cards with a debit function	2,722.6	2,963.4	3,275.4	3,913.8	4,714.0
Payments with cards with a delayed debit function	879.0	984.0	1,100.8	1,260.3	1,434.4
Payments with cards with a credit function	89.0	96.5	110.0	126.3	144.2
of which:					
initiated at a physical EFTPOS	3,292.7	3,522.3	3,863.9	4,560.0	5,470.4
initiated remotely	397.9	517.4	617.5	735.1	821.0
E-money payment transactions	32.4	36.8	35.5	34.6	33.3
of which:					
Domestic	30.9	32.2	29.5	27.1	25.3
Cross-border	1.4	4.6	6.1	7.5	8.0
of which:					
With cards on which e-money can be stored directly	29.2	29.1	26.8	24.3	21.1
With e-money accounts	3.1	7.7	8.7	10.3	12.2
of which:					
Accessed through a card	1.4	5.6	7.7	9.0	11.1
Cheques	21.4	17.5	12.8	10.5	8.3
of which:					
domestic	20.6	16.8	12.2	10.0	7.9
cross-border	0.8	0.7	0.6	0.5	0.4
Cross-border cheques received	.	.	.	.	.
Total number of transactions (sent) with payment instruments ³	19,798.6	20,372.4	21,417.8	22,679.2	24,202.7
of which:					
Cross-border transactions sent	842.9	968.5	1,178.8	1,381.4	1,605.4
Cross-border transactions received	160.4	178.0	272.4	308.3	399.0
Memorandum items:					
Payments by retailer cards with a payment function ⁴	37.6	35.5	31.2	25.2	...
Credits to the accounts by simple book entry	959.9	776.7	742.8	736.5	719.8
Debits to the accounts by simple book entry	1,833.3	1,913.5	1,906.3	1,988.5	2,002.2
Money remittances	8.3	8.7	8.3	8.3	8.1
of which:					
domestic	3.4	3.5	3.0	3.0	2.9
cross-border	4.9	5.2	5.3	5.3	5.1
Cross-border remittances received	0.6	0.6	0.7	0.7	0.6
Transactions via telecommunication, digital or IT device	0.2	0.0	0.0	0.0	0.0

¹ Includes transactions of non-PSP clients of national PSPs, irrespective of whether they are processed on an intra- or interbank basis.

² Includes transactions which are initiated using online banking applications from payment service providers or via special services (payment initiation services) by non-payment providers to make online payments (ie. Giropay or Sofortüberweisung).

³ Including "Money remittances", "Transactions via telecommunication, digital or IT device" as well as OTC cash withdrawals and deposits.

⁴ Data source: PaySys Consultancy GmbH. Data for reference period 2019 has not been available yet.

Table 6b - Transactions per type of terminal ¹
 Number of transactions (millions; total for the year)

	2015	2016	2017	2018	2019
Transactions at terminals provided by resident PSPs					
with cards issued by resident PSPs	5,237.6	5,487.7	5,525.2	6,094.5	6,461.5
of which:					
At terminals located in the reporting country	5,228.8	5,479.6	5,515.0	6,071.9	6,433.7
At terminals located abroad	8.8	8.2	10.2	22.6	27.8
of which:					
ATM cash withdrawals	2,154.9	2,161.4	2,113.4	2,084.6	2,004.8
ATM cash deposits	120.2	134.7	146.8	158.7	163.8
POS transactions ²	2,931.5	3,160.6	3,235.1	3,824.4	4,267.8
of which:					
At terminals located in the reporting country	2,922.7	3,152.6	3,225.1	3,802.6	4,240.8
At terminals located abroad	8.8	8.0	10.0	21.8	27.0
E-money card-loading/unloading transactions	4.8	3.5	2.8	2.3	2.0
E-money card-payment transactions	26.2	27.4	26.9	24.5	23.0
Transactions at terminals provided by resident PSPs					
with cards issued by non-resident PSPs	370.1	419.1	513.6	900.3	1,147.0
of which:					
At terminals located in the reporting country	172.2	199.8	238.8	346.3	404.8
At terminals located abroad	197.9	219.3	274.8	553.9	742.3
of which:					
ATM cash withdrawals	27.3	33.8	34.8	81.0	82.9
ATM cash deposits	—	—	—	—	—
POS transactions ²	342.8	382.7	473.6	810.0	1,054.1
of which:					
At terminals located in the reporting country	144.9	164.8	201.5	299.1	358.5
At terminals located abroad	197.9	218.0	272.1	510.9	695.7
E-money card-loading/unloading transactions	—	—	—	—	—
E-money card-payment transactions	—	2.7	5.1	9.3	10.0
Transactions at terminals provided by non-resident PSPs					
with cards issued by resident PSPs	374.4	307.0	377.1	450.3	576.6
of which:					
At terminals located in the reporting country	64.5	7.4	10.2	2.3	3.9
At terminals located abroad	309.9	299.5	366.9	448.0	572.7
of which:					
ATM cash withdrawals	55.4	53.0	54.1	55.7	59.7
ATM cash deposits	—	—	—	—	—
POS transactions ³	318.7	251.5	319.0	389.0	510.6
of which:					
At terminals located in the reporting country	57.9	5.8	8.3	2.3	3.8
At terminals located abroad	260.8	245.7	310.7	386.7	506.8
E-money card-loading/unloading transactions	.	.	.	.	.
E-money card-payment transactions	.	.	.	.	.
Memorandum items:					
Cash advances at POS terminals	6.6	5.8	5.8	5.2	5.6
OTC cash withdrawals	204.8	184.3	158.3	138.9	120.3
OTC cash deposits	145.3	130.5	112.0	98.5	85.4

¹ Regardless of the type of card used.

² Due to technical circumstances creditcards are partly not included.

³ The identification of the origin of the PSP results partly on the location of the terminal.

Table 7a - Transactions per type of payment instrument ¹
Value of transactions (EUR millions; total for the year)

	2015	2016	2017	2018	2019
Credit transfers	50,359,209	49,643,317	51,289,483	51,748,521	56,208,286
of which:					
Domestic	39,963,235	38,775,346	39,675,428	40,360,338	42,431,232
Cross-border	10,395,974	10,867,971	11,614,054	11,388,183	13,777,055
of which:					
Initiated in paper-based form	3,287,757	3,348,228	3,002,512	2,861,600	4,274,548
Initiated electronically	47,071,452	46,295,089	48,286,971	48,886,383	51,933,738
of which:					
Initiated in a file/batch	18,834,059	17,079,501	17,933,625	17,894,776	18,794,391
Initiated on a single payment basis	28,237,393	29,215,588	30,353,346	30,991,608	33,139,347
of which:					
Online banking based credit transfers ²	188,737	198,438	216,617	142,332	153,417
of which:					
Non-SEPA	35,543,436	33,295,959	32,546,231	32,228,073	33,496,290
Credit transfers received from cross-border	15,198,719	14,804,782	15,371,631	15,719,835	16,721,657
Direct debits	3,573,630	3,337,241	3,313,385	3,361,423	3,436,700
of which:					
Domestic	3,230,827	3,095,593	3,025,511	3,089,823	3,173,752
Cross-border	342,803	241,649	287,875	271,601	262,949
of which:					
Initiated in a file/batch	2,689,833	2,766,709	2,908,132	2,978,583	3,078,096
Initiated on a single payment basis	883,797	570,532	405,253	382,840	358,604
of which:					
Non-SEPA	613,711	351,504	200,047	144,591	136,861
Payment card initiated direct debits	89,399	79,193	77,479	81,267	75,671
Direct debits received from cross-border	488,137	416,507	443,176	520,079	637,510
Card payments with cards issued in the country (without transactions with cards with an e-money function)	245,743	257,244	280,149	314,129	350,262
of which:					
Domestic	201,215	211,829	227,846	256,782	286,665
Cross-border	44,528	45,415	52,303	57,348	63,598
of which:					
Payments with cards with a debit function	160,497	167,131	182,451	205,780	231,659
Payments with cards with a delayed debit function	79,430	84,095	90,896	100,564	109,763
Payments with cards with a credit function	5,816	6,017	6,797	7,785	8,840
of which:					
initiated at a physical EFTPOS	215,752	218,710	235,262	261,529	291,257
initiated remotely	29,991	37,871	44,078	52,237	58,917
E-money payment transactions	512	742	795	847	901
of which:					
Domestic	427	516	537	594	638
Cross-border	85	226	258	254	263
of which:					
With cards on which e-money can be stored directly	140	146	131	124	111
With e-money accounts	371	597	664	723	791
of which:					
Accessed through a card	168	363	460	486	521
Cheques	155,028	150,969	109,133	90,085	72,420
of which:					
domestic	151,044	147,293	105,988	87,762	70,287
cross-border	3,985	3,676	3,145	2,323	2,133
Cross-border cheques received	.	.	.	.	.
Total number of transactions (sent) with payment instruments ³	55,032,358	54,042,672	55,590,007	56,076,645	60,593,171
of which:					
Cross-border transactions sent	10,789,458	11,161,022	11,959,794	11,721,899	14,138,299
Cross-border transactions received	15,689,749	15,223,437	15,815,779	16,240,847	17,360,118
Memorandum items:					
Payments by retailer cards with a payment function ⁴	1,924	1,791	1,676	1,618	...
Credits to the accounts by simple book entry	10,702,442	10,746,382	12,365,751	11,736,593	10,966,109
Debits to the accounts by simple book entry	9,251,759	9,635,933	11,259,505	10,652,470	9,896,815
Money remittances	155,640	155,349	152,407	147,883	143,641
of which:					
domestic	153,555	153,264	150,289	145,699	141,561
cross-border	2,085	2,085	2,118	2,184	2,080
Cross-border remittances received	280	281	297	281	221
Transactions via telecommunication, digital or IT device	12	7	12	15	17

¹ Includes transactions of non-PSP clients of national PSPs, irrespective of whether they are processed on an intra- or interbank basis.

² Includes transactions which are initiated using online banking applications from payment service providers or via special services (payment initiation services) by non-payment providers to make online payments (ie. GiroPay or Sofortüberweisung).

³ Including "Money remittances", "Transactions via telecommunication, digital or IT device" as well as OTC cash withdrawals and deposits.

⁴ Data source: PaySys Consultancy GmbH. Data for reference period 2019 has not been available yet.

Table 7b - Transactions per type of terminal ¹
Value of transactions (EUR millions; total for the year)

	2015	2016	2017	2018	2019
Transactions at terminals provided by resident PSPs					
with cards issued by resident PSPs	642,457	686,749	705,004	758,201	776,466
of which:					
At terminals located in the reporting country	641,331	685,508	703,620	756,057	774,367
At terminals located abroad	1,126	1,241	1,384	2,144	2,099
of which:					
ATM cash withdrawals	363,214	375,244	379,269	385,542	385,395
ATM cash deposits	105,115	121,038	135,631	147,937	158,359
POS transactions ²	173,894	190,165	189,772	224,392	232,370
of which:					
At terminals located in the reporting country	172,768	188,934	188,401	222,351	230,382
At terminals located abroad	1,126	1,231	1,371	2,041	1,989
E-money card-loading/unloading transactions	156	124	97	82	69
E-money card-payment transactions	79	176	233	248	271
Transactions at terminals provided by resident PSPs					
with cards issued by non-resident PSPs	35,643	38,077	42,190	60,691	67,213
of which:					
At terminals located in the reporting country	17,995	19,758	21,348	27,274	27,992
At terminals located abroad	17,648	18,320	20,842	33,417	39,221
of which:					
ATM cash withdrawals	4,705	5,485	5,505	10,046	10,960
ATM cash deposits	–	–	–	–	–
POS transactions ²	30,938	32,324	36,232	50,168	55,820
of which:					
At terminals located in the reporting country	13,290	14,185	15,700	20,347	21,126
At terminals located abroad	17,648	18,139	20,532	29,820	34,694
E-money card-loading/unloading transactions	–	–	–	–	–
E-money card-payment transactions	–	268	453	477	433
Transactions at terminals provided by non-resident PSPs					
with cards issued by resident PSPs	35,140	29,820	35,009	38,036	43,038
of which:					
At terminals located in the reporting country	3,904	423	522	138	215
At terminals located abroad	31,235	29,398	34,488	37,898	42,823
of which:					
ATM cash withdrawals	10,196	9,952	10,262	10,547	11,343
ATM cash deposits	–	–	–	–	–
POS transactions ³	24,924	19,754	24,608	27,328	31,527
of which:					
At terminals located in the reporting country	2,953	138	273	129	200
At terminals located abroad	21,970	19,616	24,335	27,199	31,326
E-money card-loading/unloading transactions	–	–	–	–	–
E-money card-payment transactions	–	–	–	–	–
Memorandum items:					
Cash advances at POS terminals	851	834	892	798	876
OTC cash withdrawals	245,108	232,652	209,007	196,426	185,752
OTC cash deposits	297,477	265,150	235,594	217,316	195,446

¹ Regardless of the type of card used.

² Due to technical circumstances creditcards are partly not included.

³ The identification of the origin of the PSP results partly on the location of the terminal.

**Annex to table 4 -Institutions offering payment services to non-PSPs
 (end of year)**

	2015	2016	2017	2018	2019
Credit Institutions (CIs; without Deutsche Bundesbank)					
Number of institutions	1,774	1,702	1,632	1,584	1,533
of which:					
Commercial banks	276	271	263	263	258
Landesbanken and savings banks	425	423	417	399	386
Regional institutions of credit cooperatives and credit cooperatives ¹	1,049	1,025	976	917	842
Number of transferable overnight deposits (thousands)	101,630	103,814	103,846	105,927	107,763
of which:					
Commercial banks	30,586	32,265	33,099	35,301	37,032
Landesbanken and savings banks	43,103	43,513	43,212	43,130	43,327
Regional institutions of credit cooperatives and credit cooperatives ¹	27,185	27,299	27,194	27,124	27,054
Number of internet/PC-linked transferable overnight deposits (thousands)	60,499	63,859	67,022	70,997	74,988
of which:					
Commercial banks	23,113	24,950	26,791	29,410	31,371
Landesbanken and savings banks	20,221	21,473	22,947	23,928	25,686
Regional institutions of credit cooperatives and credit cooperatives ¹	16,437	16,720	16,967	17,309	17,602

¹ Figures consist only of credit cooperatives since reporting period 2016.

Annex to table 5 - Cards issued in the country
 (thousands; end of year)

	2015	2016	2017	2018	2019
Cards with a cash function	147,295	149,884	151,014	153,977	159,057
of which:					
Commercial banks	52,448	55,445	56,803	59,635	63,556
Landesbanken and savings banks	60,643	60,507	60,355	60,450	61,627
Regional institutions of credit cooperatives and credit cooperatives ¹	32,868	32,905	32,826	33,305	33,289
Cards with a payment function (except cards with an e-money function only)	139,248	142,677	144,364	147,448	152,899
of which:					
Commercial banks	46,150	49,544	51,186	54,178	58,370
of which:					
Cards with a debit function	31,302	34,070	34,881	37,162	41,071
Cards with a delayed debit function	11,378	11,805	12,429	12,769	13,117
Cards with a credit function	3,470	3,670	3,876	4,247	4,182
Landesbanken and savings banks	58,094	58,441	58,369	58,415	59,579
of which:					
Cards with a debit function	46,481	46,757	46,569	46,438	46,756
Cards with a delayed debit function	10,226	10,414	10,581	10,578	11,299
Cards with a credit function	1,386	1,279	1,370	1,399	1,523
Regional institutions of credit cooperatives and credit cooperatives ¹	32,583	32,470	32,375	32,854	32,900
of which:					
Cards with a debit function	27,826	27,819	27,551	27,902	27,756
Cards with a delayed debit function	4,713	4,617	4,792	4,922	5,118
Cards with a credit function	43	43	34	31	26
Cards with an e-money function	91,908	86,745	78,628	77,207	77,448
of which:					
Commercial banks	27,569	28,334	28,568	29,175	29,153
Landesbanken and savings banks	46,449	46,835	46,727	46,688	46,861
Regional institutions of credit cooperatives and credit cooperatives ¹	17,561	10,322	2,036	271	285
Total number of cards ²	151,136	155,586	156,985	159,378	164,726
of which:					
Commercial banks	53,804	57,414	58,961	61,671	65,630
Landesbanken and savings banks	61,815	61,777	61,721	61,270	62,568
Regional institutions of credit cooperatives and credit cooperatives ¹	33,253	33,240	32,936	33,391	33,328
of which:					
Cards with a combined debit, cash and e-money function	89,893	83,821	74,906	74,164	74,426
of which:					
Commercial banks	26,263	27,144	27,363	28,080	28,253
Landesbanken and savings banks	45,932	46,328	46,125	46,053	46,171
Regional institutions of credit cooperatives and credit cooperatives ¹	17,430	10,047	1,155	4	.

¹ Figures consist only of credit cooperatives since reporting period 2016.

² Irrespective of the number of functions on the card.

Annex to table 6a - Payment and terminal transactions involving non-PSPs
Number of transactions (millions; total for the year)

	2015	2016	2017	2018	2019
Credit transfers	6,019.7	6,186.2	6,298.6	6,468.2	6,675.6
of which:					
Commercial banks	1,862.9	1,913.7	1,970.0	2,087.5	2,220.9
of which:					
Initiated in paper-based form	88.0	75.0	66.2	60.6	57.1
Initiated electronically	1,775.4	1,838.7	1,903.7	2,026.9	2,163.8
of which:					
Initiated in a file/batch	913.3	915.8	956.6	1,023.1	1,097.3
Initiated on a single payment basis	862.1	923.0	947.2	1,003.7	1,066.5
of which:					
Domestic	1,783.6	1,827.5	1,870.7	1,963.9	2,070.4
Cross-border	79.3	86.2	99.3	123.6	150.5
Landesbanken and savings banks	2,398.2	2,512.7	2,555.0	2,586.6	2,644.3
of which:					
Initiated in paper-based form	287.7	272.4	251.2	233.8	217.2
Initiated electronically	2,110.5	2,240.2	2,303.7	2,352.8	2,427.0
of which:					
Initiated in a file/batch	955.0	1,021.0	1,026.9	1,021.2	1,032.5
Initiated on a single payment basis	1,155.6	1,219.2	1,276.8	1,331.6	1,394.5
of which:					
Domestic	2,369.2	2,480.3	2,516.8	2,542.5	2,593.7
Cross-border	29.1	32.4	38.2	44.1	50.6
Regional institutions of credit cooperatives and credit cooperatives ¹	1,272.2	1,289.7	1,301.1	1,315.4	1,334.3
of which:					
Initiated in paper-based form	230.7	219.8	200.8	185.7	173.5
Initiated electronically	1,040.8	1,070.0	1,100.2	1,129.7	1,160.8
of which:					
Initiated in a file/batch	314.9	315.0	319.3	325.7	331.0
Initiated on a single payment basis	725.9	754.9	781.0	804.0	829.8
of which:					
Domestic	1,256.7	1,272.4	1,281.9	1,293.5	1,309.7
Cross-border	15.6	17.3	19.2	21.8	24.7
Direct debits	9,675.9	9,764.5	10,305.7	10,619.9	10,978.8
of which:					
Commercial banks	5,151.3	5,491.6	5,809.1	6,143.5	6,401.5
of which:					
Initiated in a file/batch	3,927.9	4,610.1	5,151.3	5,543.8	5,775.6
Initiated on a single payment basis	1,223.2	881.4	657.8	599.7	625.8
of which:					
Domestic	5,046.7	5,334.3	5,598.0	5,887.2	6,108.1
Cross-border	104.6	157.2	211.1	256.3	293.4
Landesbanken and savings banks	3,108.5	3,016.9	3,166.2	3,142.9	3,267.2
of which:					
Initiated in a file/batch	3,020.7	2,984.2	3,137.4	3,113.9	3,237.8
Initiated on a single payment basis	87.8	32.7	28.8	29.0	29.4
of which:					
Domestic	3,102.0	3,010.4	3,159.8	3,135.9	3,259.1
Cross-border	6.5	6.5	6.4	7.0	8.0
Regional institutions of credit cooperatives and credit cooperatives ¹	717.4	653.7	660.1	667.8	688.8
of which:					
Initiated in a file/batch	444.3	541.3	552.1	561.9	589.3
Initiated on a single payment basis	271.5	112.4	108.0	105.9	99.6
of which:					
Domestic	716.6	652.7	658.9	666.1	686.6
Cross-border	0.8	1.0	1.2	1.6	2.3
Card payments with cards issued in the country (without transactions with cards with an e-money function)	3,690.6	4,043.9	4,486.2	5,300.2	6,292.6
of which:					
Commercial banks	1,076.5	1,238.1	1,415.6	1,726.9	2,154.7
of which:					
Domestic	840.6	960.1	1,072.3	1,295.4	1,614.8
Cross-border	235.9	278.0	343.3	431.5	539.9
Landesbanken and savings banks	1,581.4	1,671.1	1,866.7	2,172.4	2,547.6
of which:					
Domestic	1,359.5	1,457.6	1,594.5	1,901.9	2,253.5
Cross-border	221.9	213.6	272.1	270.5	294.1
Regional institutions of credit cooperatives and credit cooperatives ¹	909.1	995.9	1,055.4	1,235.1	1,414.3
of which:					
Domestic	812.8	893.5	942.4	1,102.4	1,270.5
Cross-border	96.3	102.3	113.1	132.7	143.8

¹ Figures consist only of credit cooperatives since reporting period 2016.

Annex to table 6a (continued) - Payment and terminal transactions involving non-PSPs
Number of transactions (millions; total for the year)

	2015	2016	2017	2018	2019
Cheques	21.4	17.5	12.8	10.5	8.3
of which:					
Commercial banks	5.5	4.2	2.8	2.2	1.8
Landesbanken and savings banks	8.7	7.6	5.7	4.7	3.7
Regional institutions of credit cooperatives and credit cooperatives ¹	6.4	5.1	3.9	3.2	2.6
E-money payment transactions	32.4	36.8	35.5	34.6	33.3
of which:					
Commercial banks	5.2	5.7	5.4	5.8	5.2
Landesbanken and savings banks	21.2	22.1	21.3	19.3	16.9
Regional institutions of credit cooperatives and credit cooperatives ¹	3.4	6.1	5.4	5.7	6.2
Total number of transactions with payment instruments	19,798.6	20,372.4	21,417.8	22,679.2	24,202.7
of which:					
Commercial banks	8,106.0	8,658.7	9,208.0	9,970.7	10,788.8
Landesbanken and savings banks	7,118.2	7,230.2	7,614.8	7,925.9	8,479.7
Regional institutions of credit cooperatives and credit cooperatives ¹	2,908.6	2,950.5	3,025.9	3,227.1	3,446.2

¹ Figures consist only of credit cooperatives since reporting period 2016.

Annex to table 7a - Payment and terminal transactions involving non-PSPs
Value of transactions (EUR millions; total for the year)

	2015	2016	2017	2018	2019
Credit transfers	50,359,209	49,643,317	51,289,483	51,748,521	56,208,286
of which:					
Commercial banks	31,498,082	31,498,180	32,745,730	33,078,343	36,737,948
of which:					
Initiated in paper-based form	1,011,013	863,067	797,871	693,478	2,051,456
Initiated electronically	30,487,067	30,635,113	31,947,859	32,384,865	34,686,493
of which:					
Initiated in a file/batch	8,739,151	7,850,210	7,993,622	7,999,366	8,471,590
Initiated on a single payment basis	21,747,916	22,784,903	23,954,237	24,385,500	26,214,903
of which:					
Domestic	22,180,734	21,937,654	22,572,594	23,204,076	24,605,826
Cross-border	9,317,348	9,560,526	10,173,136	9,874,267	12,132,123
Landesbanken and savings banks	8,895,282	8,980,436	9,056,976	9,081,350	9,247,012
of which:					
Initiated in paper-based form	1,278,505	1,287,785	1,165,915	1,170,781	1,139,625
Initiated electronically	7,616,777	7,692,651	7,891,062	7,910,569	8,107,388
of which:					
Initiated in a file/batch	3,197,173	3,156,969	3,394,772	3,319,136	3,147,807
Initiated on a single payment basis	4,419,604	4,535,682	4,496,289	4,591,434	4,959,581
of which:					
Domestic	8,439,228	8,446,286	8,480,033	8,518,264	8,624,594
Cross-border	456,053	534,150	576,944	563,086	622,419
Regional institutions of credit cooperatives and credit cooperatives ¹	2,733,451	2,638,240	2,625,172	2,589,976	2,660,451
of which:					
Initiated in paper-based form	732,588	742,223	661,736	575,072	569,947
Initiated electronically	2,000,862	1,896,017	1,963,402	2,014,904	2,090,504
of which:					
Initiated in a file/batch	664,865	676,881	720,806	763,789	816,659
Initiated on a single payment basis	1,335,996	1,219,136	1,242,630	1,251,115	1,273,845
of which:					
Domestic	2,665,785	2,564,630	2,544,530	2,503,531	2,565,818
Cross-border	67,666	73,611	80,642	86,445	94,633
Direct debits	3,573,630	3,337,241	3,313,385	3,361,423	3,436,700
of which:					
Commercial banks	1,573,988	1,560,214	1,492,743	1,506,627	1,532,619
of which:					
Initiated in a file/batch	902,232	1,093,374	1,179,459	1,212,450	1,265,210
Initiated on a single payment basis	671,748	466,840	313,283	294,177	267,409
of which:					
Domestic	1,488,785	1,461,578	1,376,779	1,401,939	1,429,695
Cross-border	85,203	98,636	115,964	104,688	102,924
Landesbanken and savings banks	1,082,122	969,405	974,522	987,399	1,023,404
of which:					
Initiated in a file/batch	1,050,479	935,701	940,150	954,195	989,762
Initiated on a single payment basis	31,643	33,704	34,372	33,204	33,643
of which:					
Domestic	1,080,110	966,670	971,108	983,099	1,017,578
Cross-border	2,012	2,736	3,413	4,300	5,827
Regional institutions of credit cooperatives and credit cooperatives ¹	241,246	246,327	248,944	240,126	259,455
of which:					
Initiated in a file/batch	97,392	203,935	212,900	206,476	222,144
Initiated on a single payment basis	143,715	42,392	36,044	33,649	37,311
of which:					
Domestic	240,253	245,201	247,690	238,753	257,363
Cross-border	993	1,126	1,253	1,373	2,092
Card payments with cards issued in the country (without transactions with cards with an e-money function)	245,743	257,244	280,149	314,129	350,262
of which:					
Commercial banks	71,799	78,158	87,357	100,200	116,421
of which:					
Domestic	53,221	59,110	64,859	73,888	85,960
Cross-border	18,579	19,048	22,497	26,311	30,461
Landesbanken and savings banks	88,110	89,832	99,543	110,937	123,641
of which:					
Domestic	74,077	77,261	83,860	96,259	108,043
Cross-border	14,033	12,571	15,682	14,679	15,598
Regional institutions of credit cooperatives and credit cooperatives ¹	67,637	70,203	74,008	82,292	88,598
of which:					
Domestic	61,138	63,518	66,511	73,618	79,312
Cross-border	6,499	6,686	7,496	8,674	9,286

¹ Figures consist only of credit cooperatives since reporting period 2016.

Annex to table 7a (continued) - Payment and terminal transactions involving non-PSPs
Value of transactions (EUR millions; total for the year)

	2015	2016	2017	2018	2019
Cheques	155,028	150,969	109,133	90,085	72,420
of which:					
Commercial banks	84,965	88,329	63,071	53,847	43,863
Landesbanken and savings banks	36,606	34,016	25,818	20,894	16,752
Regional institutions of credit cooperatives and credit cooperatives ¹	22,794	20,307	15,224	12,135	9,674
E-money payment transactions	512	742	795	847	901
of which:					
Commercial banks	96	109	102	79	81
Landesbanken and savings banks	64	65	64	60	55
Regional institutions of credit cooperatives and credit cooperatives ¹	15	183	198	223	241
Total value of transactions with payment instruments	55,032,358	54,042,672	55,590,007	56,076,645	60,593,171
of which:					
Commercial banks	33,231,153	33,227,087	34,390,959	34,741,033	38,432,655
Landesbanken and savings banks	10,102,373	10,073,869	10,156,994	10,200,688	10,410,893
Regional institutions of credit cooperatives and credit cooperatives ¹	3,065,192	2,975,312	2,963,575	2,924,773	3,018,432

¹ Figures consist only of credit cooperatives since reporting period 2016.

**Table 8 - Participation in selected interbank funds transfer systems
 (end of year)**

	2015	2016	2017	2018	2019
GERMAN TARGET COMPONENT (TARGET2)					
Number of participants	865	989	959	941	803
of which:					
Direct participants	719	848	816	802	683
of which:					
Credit institutions	713	842	810	796	677
Central banks	1	1	1	1	1
Other direct participants	5	5	5	5	5
of which:					
Clearing and settlement organisations	5	5	5	5	5
Indirect participants	146	141	143	139	120
RETAIL SYSTEM (EMZ)					
Number of direct participants ¹	186	191	198	190	192
of which:					
Credit institutions	178	181	188	180	182
Central banks	4	6	6	6	5

¹ After a revision of the definition of a participant, "Other direct participants" are no longer shown, as the links to them exist outside the normal EMZ participation agreements.

Table 9 - Payments processed by selected interbank funds transfer systems
Number of transactions (millions; total for the year)

	2015	2016	2017	2018	2019
GERMAN TARGET COMPONENT (TARGET2)					
Credit transfers and direct debits sent	44.7	44.5	44.7	47.4	48.2
of which:					
Credit transfers and direct debits sent within the same TARGET component	32.3	31.6	30.5	31.9	31.3
Credit transfers and direct debits sent to another TARGET component	12.4	12.9	14.2	15.5	16.9
of which:					
Transactions sent to a euro area TARGET component	11.9	12.4	13.6	14.8	16.1
Transactions sent to a non-euro area TARGET component	0.5	0.5	0.6	0.7	0.9
Concentration ratio (%) ¹	52.5	51.4	51.0	48.2	50.0
<i>Memorandum item:</i>					
Credit transfers and direct debits received from another TARGET component	8.6	8.9	9.7	10.4	9.7
RETAIL SYSTEM (EMZ)					
Total transactions	3,821.9	4,274.5	4,382.1	4,766.4	5,302.6
of which:					
Credit transfers	1,364.8	1,301.7	1,322.6	1,360.7	1,421.7
Direct debits	1,522.5	1,763.2	1,727.9	1,789.8	1,936.0
Card payments ²	220.9	1,141.3	1,284.9	1,568.6	1,899.7
ATM transactions ²	6.6	36.5	37.2	39.6	39.0
E-money payments ²	0.0	0.6	0.7	0.5	0.5
Cheques	–	1.2	8.8	7.3	5.8
Other payment instruments ³	707.1	29.9	–	–	–
Concentration ratio (%) ⁴	35.7	37.6	40.7	36.2	43.5

¹ Market share of the five largest senders of payment messages in each interbank payment system in relation to the number of transactions. Each participant with individual access to the payment system is counted separately, irrespective of any legal dependencies.

² Only card transactions based on the SEPA Card Clearing (SCC)-format developed by the Berlin Group (mainly Girocard transactions).

³ Includes domestic non-SEPA direct debits and other payment instruments which are technically processed in the same way as direct debits, such as ATM transactions (until 2014), debit card payments (until 2014), e-money payments (until 2014) and cheques (until 2015).

⁴ Market share of the five largest direct participants in relation to the number of all transactions.

Table 10 - Payments processed by selected interbank funds transfer systems
Value of transactions (EUR billions; total for the year)

	2015	2016	2017	2018	2019
GERMAN TARGET COMPONENT (TARGET2)					
Credit transfers and direct debits sent	204,855.2	201,111.1	187,947.6	191,859.9	209,082.3
of which:					
Credit transfers and direct debits sent within the same TARGET component	152,715.6	145,563.5	126,380.2	128,114.6	138,277.8
Credit transfers and direct debits sent to another TARGET component	52,139.6	55,547.6	61,567.4	63,745.3	70,804.5
of which:					
Transactions sent to a euro area TARGET component	50,222.9	51,948.9	58,196.9	62,043.1	69,094.1
Transactions sent to a non-euro area TARGET component	1,916.6	3,598.7	3,370.4	1,702.2	1,710.5
Concentration ratio (%) ¹	45.8	43.6	42.4	38.8	42.4
<i>Memorandum item:</i>					
Credit transfers and direct debits received from another TARGET component	51,716.6	54,819.5	57,482.3	63,414.6	68,078.7
RETAIL SYSTEM (EMZ)					
Total transactions	3,189.0	3,086.9	3,179.0	3,311.3	3,479.2
of which:					
Credit transfers	2,221.3	2,158.4	2,276.7	2,387.6	2,536.8
Direct Debits	791.6	746.4	748.8	772.8	791.4
Card payments ²	14.3	67.1	73.3	84.9	96.7
ATM transactions ²	1.2	5.8	6.1	6.5	6.6
E-money payments ²	0.0	0.0	0.0	0.0	0.0
Cheques	–	10.5	74.0	59.4	47.6
Other Payment Instruments ³	160.5	98.8	.	.	.
Concentration ratio (%) ⁴	36.7	35.6	37.5	37.9	36.9

¹ Market share of the five largest senders of payment messages in each interbank payment system in relation to the value of transactions. Each participant with individual access to the payment system is counted separately, irrespective of any legal dependencies.

² Only card transactions based on the SEPA Card Clearing (SCC) format developed by the Berlin Group (mainly Girocard transactions).

³ Includes domestic non-SEPA direct debits and other payment instruments which are technically processed in the same way as direct debits, such as ATM transactions (until 2014), debit card payments (until 2014), e-money payments (until 2014) and cheques (until 2015).

⁴ Market share of the five largest participants in relation to the value of all transactions.

**Table 11 - Number of participants in exchanges and trading systems
 (end of year)**

	2015	2016	2017	2018	2019
Xetra					
Total number of participants	179	195	170	169	167
of which:					
Number of domestic participants	84	93	80	77	76
Number of foreign participants	95	102	90	92	91
Xetra Frankfurt Specialist ¹					
Total number of participants	155	148	129	129	130
of which:					
Number of domestic participants	136	138	120	123	125
Number of foreign participants	19	10	9	6	5
Eurex ²					
Total number of participants	609	608	511	493	476
of which:					
Number of domestic participants	60	69	49	59	49
Number of foreign participants	549	539	462	434	427

¹ On 23rd May 2011 Frankfurt Floor Trading was transferred to Xetra, the international established trading platform of Deutsche Börse AG. The trading venue "Frankfurt" is named "Xetra Frankfurt Specialist" in the statistics. Instead of total turnover the figures

in the statistics are related to order book turnover.

² The term "Eurex" encompasses Eurex Frankfurt AG, Eurex Bonds GmbH, Eurex Repo GmbH and Eurex Zürich AG.

**Table 12 - Number of listed securities
 (thousands, end of year)**

	2015	2016	2017	2018	2019
Xetra					
Total number of listed securities	5.0	4.7	4.7	4.2	4.2
Xetra Frankfurt Specialist					
Total number of listed securities	1,614.7	1,618.3	1,905.8	2,139.2	1,535.9
of which:					
Debt securities	.	.	29.7	30.3	29.8
Equity	0.6	0.6	0.5	0.5	0.5
Other	1,614.1	1,617.7	1,875.6	2,108.3	1,505.6

Table 13 - Market capitalisation of listed companies
(EUR millions, end of year)

	2015	2016	2017	2018	2019
Xetra					
Total market capitalisation / equity	1,781,586	1,630,413	1,888,277	1,533,495	1,871,571

**Table 14 - Number of executed trades
 (thousands, total for the year)**

	2015	2016	2017	2018	2019
Xetra					
Total number of executed securities trades	143,306	144,365	147,375	141,588	129,062
of which:					
Debt securities	455	450	354	266	288
Equity ¹	140,352	141,685	144,510	138,648	126,474
Other	2,499	2,229	2,511	2,674	2,300
Xetra Frankfurt Specialist					
Total number of executed securities trades	4,557	2,997	2,765	3,089	2,607
of which:					
Debt securities	40	34	33	32	27
Equity ^{1, 2}	2,144	773	838	971	1,046
Other	2,373	2,190	1,894	2,086	1,534
Eurex ³					
Total number of executed derivatives trades	1,140,460	1,174,512	1,328,774	1,925,224	1,914,679
of which:					
Financial futures	552,665	599,178	762,447	1,239,771	1,232,337
Financial options	587,796	575,334	566,327	685,453	682,342

¹ These positions contain exchange-traded funds (ETFs) and undertakings for collective investment in transferable securities (UCITS).

² Since 2009, this position has contained reporting transactions.

³ Turnovers in Germany and Switzerland.

Table 15 - Value of executed trades
 (EUR millions, total for the year)

	2015	2016	2017	2018	2019
Xetra					
Total value of executed securities trades	1,636,698	1,375,049	1,463,230	1,718,805	1,499,525
of which:					
Debt securities	8,015	7,351	5,723	4,794	4,975
Equity ¹	1,605,961	1,349,062	1,441,191	1,698,195	1,480,762
Other	22,722	18,636	16,317	15,817	13,788
Xetra Frankfurt Specialist					
Total value of executed securities trades	132,107	133,310	102,690	60,597	50,690
of which:					
Debt securities ²	6,478	4,470	3,925	3,314	2,488
Equity ^{1, 3}	102,931	110,320	81,723	37,436	34,414
Other	22,697	18,520	17,041	19,847	13,788
Eurex ⁴					
Total value of executed derivatives trades	38,473,724	33,839,368	71,690,004	125,826,604	121,014,776
of which:					
Financial futures	21,979,971	20,424,912	53,472,602	99,847,562	95,825,810
Financial options	16,493,753	13,414,456	18,217,402	25,979,043	25,188,966

¹ These positions contain exchange-traded funds (ETFs) and undertakings for collective investment in transferable securities (UCITS).

² At market value, not at nominal value.

³ Since 2009, this position has contained reporting transactions.

⁴ Turnovers in Germany and Switzerland.

Table 16 - Number of clearing members of the Central Counterparty (CCP)
 (end of year)

	2015	2016	2017	2018	2019
Eurex Clearing AG					
Total number of clearing members	186	195	190	209	218
of which:					
Number of domestic clearing members	64	63	59	70	63
Number of foreign clearing members	122	132	131	139	155

**Table 17 - Number of contracts and transactions cleared
 (thousands, total for the year)**

	2015	2016	2017	2018	2019
Eurex Clearing AG					
Total number of contracts and transactions cleared	3,581,518	3,689,081	3,598,890	4,147,297	4,111,131
of which:					
Number of securities transactions cleared	236,310	234,100	247,050	243,698	216,729
of which:					
Number of outright transactions cleared	236,147	233,987	246,942	243,566	216,573
of which:					
Debt securities	29	22	9	7	6
Equity	236,118	233,965	246,933	243,559	216,567
Number of repurchase transactions cleared	163	113	108	132	156
of which:					
Debt securities	163	113	108	126	156
Equity	0	0	0	6	0
Number of exchange-traded derivatives contracts cleared ¹	3,345,201	3,454,963	3,351,796	3,903,526	3,894,270
of which:					
Financial futures	1,992,823	2,171,957	2,098,581	2,507,699	2,493,008
Financial options	1,352,256	1,282,814	1,252,989	1,392,941	1,385,025
Commodity futures	120	191	213	103	93
Commodity options	2	1	13	2,783	16,144
Number of OTC-traded derivatives contracts cleared	7	18	44	73	132

¹ Turnovers in Germany and Switzerland.

**Table 18 - Value of contracts and transactions cleared
 (EUR millions, total for the year)**

	2015	2016	2017	2018	2019
Eurex Clearing AG					
Total value of contracts and transactions cleared	245,756,737	236,174,814	247,913,071	281,257,273	286,021,214
of which:					
Value of securities transactions cleared	26,008,280	15,181,523	12,113,987	14,568,345	17,450,439
of which:					
Value of outright transactions cleared	3,757,445	3,097,349	3,088,490	3,269,517	2,728,731
of which:					
Debt securities	260,323	223,300	106,687	478	445
Equity	3,497,122	2,874,049	2,981,803	3,269,039	2,728,286
Value of repurchase transactions cleared	22,250,835	12,084,174	9,025,497	11,298,828	14,721,708
of which:					
Debt securities	22,231,185	12,084,174	9,025,497	11,298,708	14,721,658
Equity	19,650	0	0	120	50
Value of exchange-traded derivatives contracts cleared ¹	219,444,513	220,122,997	233,174,441	251,941,000	242,347,679
of which:					
Financial futures	163,694,328	175,993,901	184,205,081	199,880,063	191,835,708
Financial options	55,747,613	44,126,441	48,965,994	52,051,261	50,467,407
Commodity futures	2,430	2,592	3,189	2,946	4,551
Commodity options	142	63	177	6,730	40,013
Value of OTC-traded derivatives contracts cleared	303,944	870,294	2,624,643	14,747,928	26,223,096

¹ Turnovers in Germany and Switzerland.

**Table 19 - Number of direct participants in Central Securities Depository (CSD)
 (end of year)**

	2015	2016	2017	2018	2019
Clearstream Banking Aktiengesellschaft					
Total number of participants	288	270	302	330	261
of which:					
Number of domestic participants	169	164	157	153	156
of which:					
Central banks	1	1	1	1	1
Central counterparties	2	2	2	2	2
Central securities depositories	0	0	0	0	0
Credit institutions	132	129	126	122	125
Other	34	32	28	28	28
Number of foreign participants	119	106	145	177	105
of which:					
Central banks	1	1	1	1	1
Central counterparties	0	0	2	2	1
Central securities depositories	10	10	10	9	7
Credit institutions	91	81	122	154	88
Other	17	14	10	11	8

Table 20 - Number of securities held on accounts at CSD
 (thousands, end of year)

	2015	2016	2017	2018	2019
Clearstream Banking Aktiengesellschaft					
Total number of securities held ¹	4,703.0	4,050.0	3,832.0	3,923.7	3,201.9

¹ Number of debt securities not available.

Table 21 - Value of securities held on accounts at CSD
 (EUR millions, end of year)

	2015	2016	2017	2018	2019
Clearstream Banking Aktiengesellschaft					
Total value of securities held	7,806,765	7,719,215	8,275,940	8,777,554	9,595,761
of which:					
Debt securities	3,598,302	3,546,430	3,586,016	4,415,536	4,557,005
of which:					
Short-term paper	106,851	104,311	89,306	172,279	184,033
Bonds	3,491,451	3,442,119	3,496,710	4,243,257	4,372,972
Equity	1,803,888	1,898,204	2,210,847	1,925,011	4,858,313
Other	2,404,575	2,274,581	2,479,077	2,437,007	180,443

**Table 22 - Number of delivery instructions processed
 (thousands, total for the year)**

	2015	2016	2017	2018	2019
Clearstream Banking Aktiengesellschaft					
Total number of delivery instructions	61,174	56,050	59,525	63,261	65,218
of which:					
Delivery versus payment	49,011	44,688	47,677	51,508	52,792
of which:					
Debt securities	3,692	2,707	2,907	2,826	4,335
of which:					
Short-term paper	385	328	323	297	348
Bonds	3,307	2,379	2,584	2,529	3,987
Equity	27,802	26,800	30,319	31,962	33,222
Other	17,518	15,181	14,451	16,720	15,235
Free of payment	12,163	11,362	11,848	11,753	12,426
of which:					
Debt securities	2,891	1,855	1,522	1,729	2,046
of which:					
Short-term paper	131	118	118	138	155
Bonds	2,760	1,737	1,404	1,591	1,891
Equity	8,636	8,807	9,154	9,107	9,521
Other	636	700	1,172	917	859

**Table 23 - Value of delivery instructions processed
 (EUR millions, total for the year)**

	2015	2016	2017	2018	2019
Clearstream Banking Aktiengesellschaft					
Total value of delivery instructions	66,724,522	46,578,296	45,296,911	50,250,297	68,365,798
of which:					
Delivery versus payment	23,851,750	16,223,034	18,547,708	21,437,989	35,134,499
of which:					
Debt securities	16,787,307	10,780,902	12,729,675	15,038,303	29,031,360
of which:					
Short-term paper	1,453,477	1,237,324	975,532	1,465,373	2,376,404
Bonds	15,333,830	9,543,578	11,754,143	13,572,930	26,654,956
Equity	6,863,479	5,275,977	5,660,004	6,221,673	5,948,204
Other	200,957	166,155	158,029	178,013	154,935
Free of payment	42,872,772	30,355,262	26,749,203	28,812,308	33,231,299
of which:					
Debt securities	35,903,692	25,506,653	20,692,932	22,430,869	27,551,505
of which:					
Short-term paper	1,153,604	1,044,463	907,105	1,962,804	2,363,117
Bonds	34,750,089	24,462,190	19,785,827	20,468,065	25,188,388
Equity	6,834,043	4,804,281	5,948,089	6,286,940	5,550,872
Other	135,037	44,328	108,182	94,499	128,922