



Statistics on payments and securities trading July 2021

Statistical Series

Deutsche Bundesbank
Wilhelm-Epstein-Strasse 14
60431 Frankfurt am Main
Germany

Postfach 10 06 02
60006 Frankfurt am Main
Germany

Tel.: +49 (0)69 9566 3512
Email: www.bundesbank.de/contact

Information pursuant to Section 5 of the German Telemedia Act (Telemediengesetz) can be found at:
www.bundesbank.de/imprint

Reproduction permitted only if source is stated.

ISSN 2699-9129

Finalized in July 2021.

This Statistical Series is released once a month and published on the basis of Section 18 of the Bundesbank Act (Gesetz über die Deutsche Bundesbank).

To be informed when new issues of this Statistical Series are published, subscribe to the newsletter at:
www.bundesbank.de/statistik-newsletter_en

Up-to-date information and time series are also available online at:
www.bundesbank.de/content/821976
www.bundesbank.de/timeseries

Further statistics compiled by the Deutsche Bundesbank can also be accessed at the Bundesbank web page.

A publication schedule for selected statistics can be viewed on the following page:
www.bundesbank.de/statisticalcalendar

■ Contents

■ I. Payments statistics

1. Total results for Germany	
a) Basic statistical data	5
b) Settlement media used by non-PSPs	6
c) Settlement media used by credit institutions	7
d) Institutions offering payment services to non-PSPs	8
e) Payment card functions and accepting devices	9
f) Transactions per type of payment instrument (Number)	10
g) Transactions per type of terminal (Number)	11
h) Transactions per type of payment instrument (Value)	12
i) Transactions per type of terminal (Value)	13
2. Breakdown by category of banks	
a) Institutions offering payment services to non-PSPs	14
b) Cards issued in the country	15
c) Payment and terminal transactions involving non-PSPs (Number)	16
d) Payment and terminal transactions involving non-PSPs (Value)	18

■ II. Statistics of interbank funds transfer systems

1. Participation in selected interbank funds transfer systems	20
2. Payments processed by selected interbank funds transfer systems (Number)	21
3. Payments processed by selected interbank funds transfer systems (Value)	22

■ III. Statistics on securities trading, clearing and settlement in Germany

1. Number of participants in exchanges and trading systems	23
2. Number of listed securities	24
3. Market capitalisation of listed companies	25
4. Number of executed trades	26
5. Value of executed trades	27
6. Number of clearing members of the Central Counterparty (CCP)	28
7. Number of contracts and transactions cleared	29
8. Value of contracts and transactions cleared	30
9. Number of direct participants in Central Securities Depository (CSD)	31
10. Number of securities held on accounts at CSD	32
11. Value of securities held on accounts at CSD	33
12. Number of delivery instructions processed	34
13. Value of delivery instructions processed	35

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 2019 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

	2016	2017	2018	2019	2020
Population (thousands) ¹	82,349	82,657	82,906	83,093	83,157
GDP (EUR billions)	3,135	3,260	3,356	3,449	3,336
GDP per capita (EUR)	38,067	39,438	40,485	41,508	40,119
HICP (annual percentage changes)	0.4	1.7	1.9	1.4	0.4

¹ Annual average.

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

	2016	2017	2018	2019	2020
Value of overnight deposits held by non-MFIs	2,016.8	2,185.5	2,344.6	2,453.3	2,818.8
of which:					
Value of transferable overnight deposits	1,239.1	1,382.3	1,515.7	1,596.2	1,929.4
<i>Memorandum items:</i>					
Overnight deposits in foreign currencies held by non-MFIs	56.3	59.6	63.6	68.8	84.8
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)**

	2016	2017	2018	2019	2020
Value of overnight deposits held at the central bank	434.6	628.9	606.7	560.1	1,056.9
of which:					
Required reserves	33.5	34.4	35.5	37.1	40.1
Free reserves	401.1	594.5	571.3	522.9	1,016.9
Value of overnight deposits held at other credit institutions (end of period)	325.4	289.6	288.5	307.9	295.7
of which:					
Value of transferable, overnight deposits held at other credit institutions (end of period)	165.1	171.6	171.4	152.6	209.3
<i>Memorandum items:</i>					
Credit extended by the central bank	62.8	94.2	89.5	74.9	341.2
of which:					
Overnight ¹	0.0	0.0	0.1	0.0	0.0
Other (open market operations) ²	62.8	94.2	89.4	74.9	341.2

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)

	2016	2017	2018	2019	2020
Deutsche Bundesbank					
Number of offices	35	35	35	35	35
Number of overnight deposits (thousands)	23.0	22.9	22.9	22.9	23.2
of which:					
Number of internet/PC-linked overnight deposits (thousands)	14.1	14.4	14.8	15.4	16.3
Value of transferable overnight deposits (EUR millions)	118,635	135,379	154,421	104,809	181,389
Credit institutions (without Deutsche Bundes-bank) irrespective of their legal incorporation					
Number of institutions	1,702	1,632	1,584	1,533	1,508
Number of offices ¹	31,959	30,057	27,818	26,605	24,009
Number of overnight deposits (thousands) ²	150,866	151,359	153,183	155,998	159,073
of which:					
Number of internet/PC-linked overnight deposits (thousands)	85,971	89,337	93,527	98,968	103,716
Number of transferable overnight deposits (thousands)	103,814	103,846	105,927	107,946	109,183
of which:					
Number of internet/PC-linked transferable overnight deposits (thousands)	63,859	67,022	70,997	75,124	78,704
Value of overnight deposits (EUR billions) ²	1,898	2,051	2,190	2,348	2,643
of which:					
Value of transferable overnight deposits (EUR billions)	1,120	1,247	1,361	1,491	1,748
Number of payment accounts (thousands) ³	104,568	104,676	106,581	108,618	109,703
Number of e-money accounts (thousands)	755	830	654	.	.
Outstanding value on e-money storages (EUR millions)	67	64	53	48	43
Institutions legally incorporated in the reporting country					
Number of institutions	1,600	1,526	1,473	1,431	1,394
Number of offices ¹	31,708	29,797	27,555	26,336	23,733
Value of overnight deposits (EUR billions) ²	1,800	1,945	2,080	2,242	2,531
Branches of euro area-based banks					
Number of institutions operating branches	55	56	63	64	72
Number of offices	170	177	185	196	209
Value of overnight deposits (EUR billions) ²	76	86	93	96	89
Branches of EEA-based banks (outside the euro area)					
Number of institutions operating branches	28	31	30	24	13
Number of offices	46	48	46	38	18
Value of overnight deposits (EUR billions) ²	15	13	12	4	5
Branches of non-EEA-based banks					
Number of institutions operating branches	19	19	18	14	29
Number of offices	35	35	32	35	49
Value of overnight deposits (EUR billions) ²	7	7	5	5	19
Electronic money institutions					
Number of institutions	7	7	5	9	9
Number of e-money accounts (thousands)	1,215	1,362	1,548	.	.
Outstanding value on e-money storages (EUR millions)	.	.	.	36	137
Other institutions offering payment services to non-PSPs					
Number of institutions ⁴	46	51	56	75	90
Number of offices	67	97	114	138	154
Number of payment accounts (thousands) ³	7	7	6	.	.
Institutions offering payment services to non-PSPs (total)					
Number of institutions	1,756	1,691	1,646	1,618	1,608
Number of offices ⁵	32,061	30,189	27,967	26,778	24,198
Number of overnight deposits (thousands)	150,897	151,388	153,212	156,026	159,106
of which:					
Number of internet/PC-linked overnight deposits (thousands)	85,985	89,351	93,542	98,983	103,732
Number of transferable overnight deposits (thousands)	103,844	103,876	105,955	107,973	109,216
of which:					
Number of internet/PC-linked transferable overnight deposits (thousands)	63,873	67,037	71,012	75,139	78,720
Value of overnight deposits (EUR billions) ²	2,017	2,186	2,345	2,453	2,824
Number of payment accounts (thousands) ³	105,814	106,068	108,158	108,849	110,057
Number of e-money accounts (thousands)	1,970	2,192	2,203	876	841
Outstanding value on e-money storages (EUR millions)	96	94	83	84	180

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)**

	2016	2017	2018	2019	2020
Cards issued by resident PSPs (thousands)					
Cards with a cash function	149,884	151,014	153,977	159,106	161,574
Cards with a payment function (except cards with an e-money function only)	142,677	144,364	147,448	152,948	158,815
of which:					
Cards with a debit function	108,951	109,312	111,551	115,665	118,280
Cards with a delayed debit function	28,733	29,772	30,221	31,552	34,718
Cards with a credit function	4,992	5,280	5,677	5,731	5,839
Cards with an e-money function	86,745	78,628	77,207	77,449	68,935
of which:					
Cards on which e-money can be stored directly	85,987	77,761	76,449	76,584	68,103
Cards which give access to e-money stored on e-money accounts	758	867	757	865	832
Cards with an e-money function which have been loaded at least once	4,090	4,179	3,933	3,626	6,689
Total number of cards ¹	155,586	156,985	159,378	164,760	173,932
of which:					
Cards with a combined debit, cash and e-money function	83,821	74,906	74,164	74,426	61,004
<i>Memorandum item:</i>					
Retailer cards with a payment function ²	9,900	9,400	8,553	...	...
Terminals provided by resident PSPs					
ATMs ³	94,475	95,097	96,338	87,515	87,781
of which:					
ATMs with a cash withdrawal function	67,349	68,117	69,075	60,577	61,126
of which:					
Located in the reporting country	58,909	58,108	.	58,364	56,868
of which:					
ATMs with a credit transfer function	27,848	27,837	27,900	26,715	26,212
POS terminals ^{4 5}	1,292,455	1,389,598	1,358,404	1,338,353	1,401,411
of which:					
Located in the reporting country	1,141,388	1,206,830	1,179,321	1,146,884	1,176,068
Located abroad	151,067	182,768	179,083	191,469	225,343
of which:					
EFTPOS terminals	946,276	998,278	1,018,037	1,061,592	1,128,254
E-money card terminals	489,835	493,769	463,900	386,005	383,507
of which:					
E-money card-loading terminals	60,038	58,393	57,785	59,497	60,774
E-money card-accepting terminals ⁴	429,797	435,397	406,136	326,529	322,754

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 One physical device can have several of the functions listed below. If a terminal is acquired by different payment service providers, multiple counts cannot be ruled out.

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

Including e-money retail payment terminals. Data source: 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)

	2016	2017	2018	2019	2020
Credit transfers	6,186.2	6,298.6	6,468.2	6,677.3	6,892.1
of which:					
Domestic	6,042.4	6,133.5	6,266.3	6,441.6	6,587.2
Cross-border	143.7	165.1	201.8	235.7	305.0
of which:					
Initiated in paper-based form	570.5	521.3	482.9	451.2	403.9
Initiated electronically	5,615.7	5,777.3	5,985.2	6,226.1	6,488.2
of which:					
Initiated in a file/batch	2,706.8	2,760.3	2,836.3	2,924.7	2,995.9
Initiated on a single payment basis	2,908.9	3,017.0	3,148.9	3,301.4	3,492.3
of which:					
Online banking based credit transfers ²	133.3	143.3	143.9	154.0	170.7
of which:					
Non-SEPA	59.5	53.0	54.1	52.0	55.5
Credit transfers received from cross-border	129.4	181.7	187.4	202.7	263.6
Direct debits	9,764.5	10,305.7	10,619.9	10,979.0	11,593.8
of which:					
Domestic	9,599.2	10,086.1	10,353.7	10,673.6	11,244.3
Cross-border	165.3	219.6	266.2	305.4	349.5
of which:					
Initiated in a file/batch	8,635.5	9,411.1	9,785.9	10,125.2	10,722.9
Initiated on a single payment basis	1,129.0	894.7	834.0	853.8	870.9
of which:					
Non-SEPA	358.5	62.9	58.1	52.3	92.2
Payment card initiated direct debits	1,290.3	1,538.9	1,575.0	1,387.7	711.7
Direct debits received from cross-border	47.8	89.9	120.1	196.4	363.0
Card payments with cards issued in the country (without transactions with cards with an e-money function)	4,043.9	4,486.2	5,300.2	6,295.9	7,520.0
of which:					
Domestic	3,395.1	3,704.4	4,400.5	5,247.6	6,534.2
Cross-border	648.8	781.8	899.7	1,048.3	985.8
of which:					
Payments with cards with a debit function	2,963.4	3,275.4	3,913.8	4,715.9	5,911.4
Payments with cards with a delayed debit function	984.0	1,100.8	1,260.3	1,434.8	1,469.0
Payments with cards with a credit function	96.5	110.0	126.3	145.3	139.6
of which:					
initiated at a physical EFTPOS	3,522.3	3,863.9	4,560.0	5,422.9	6,556.1
initiated remotely	517.4	617.5	735.1	867.2	950.4
E-money payment transactions	36.8	35.5	34.6	33.5	27.1
of which:					
Domestic	32.2	29.5	27.1	25.2	20.5
Cross-border	4.6	6.1	7.5	8.3	6.6
of which:					
With cards on which e-money can be stored directly	29.1	26.8	24.3	21.3	15.4
With e-money accounts	7.7	8.7	10.3	12.2	11.7
of which:					
Accessed through a card	5.6	7.7	9.0	11.1	10.4
Cheques	17.5	12.8	10.5	8.3	6.2
of which:					
domestic	16.8	12.2	10.0	7.9	5.9
cross-border	0.7	0.6	0.5	0.4	0.3
Cross-border cheques received	.	.	.	.	.
Total number of transactions (sent) with payment instruments ³	20,372.4	21,417.8	22,679.2	24,207.9	26,192.9
of which:					
domestic	19,403.9	20,239.0	21,297.9	22,602.2	24,540.9
cross-border	968.5	1,178.8	1,381.4	1,605.7	1,652.0
Cross-border transactions received	178.0	272.4	308.3	399.8	626.8
<i>Memorandum items:</i>					
Payments by retailer cards with a payment function ⁴	35.5	31.2	25.2	23.0	...
Credits to the accounts by simple book entry	776.7	742.8	736.5	719.8	723.0
Debits to the accounts by simple book entry	1,913.5	1,906.3	1,988.5	2,002.8	2,121.4
Money remittances	.	.	.	.	.
of which:					
domestic	.	.	.	.	.
cross-border	5.2	5.3	5.3	5.1	4.8
Cross-border remittances received	0.6	0.7	0.7	0.6	0.5
Transactions via telecommunication, digital or IT device	.	.	.	.	.

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. Giro pay 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 2020 has not been available yet.

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

	2016	2017	2018	2019	2020
Transactions at terminals provided by resident PSPs with cards issued by resident PSPs	5,487.7	5,525.2	6,094.5	6,470.4	6,689.4
of which:					
At terminals located in the reporting country	5,479.6	5,515.0	6,071.9	6,442.5	6,656.4
At terminals located abroad	8.2	10.2	22.6	27.8	32.9
of which:					
ATM cash withdrawals	2,161.4	2,113.4	2,084.6	2,006.5	1,572.5
ATM cash deposits	134.7	146.8	158.7	163.9	155.4
POS transactions ²	3,160.6	3,235.1	3,824.4	4,274.8	4,943.7
of which:					
At terminals located in the reporting country	3,152.6	3,225.1	3,802.6	4,247.8	4,911.3
At terminals located abroad	8.0	10.0	21.8	27.0	32.5
E-money card-loading/unloading transactions	3.5	2.8	2.3	2.0	1.1
E-money card-payment transactions	27.4	26.9	24.5	23.1	16.5
Transactions at terminals provided by resident PSPs with cards issued by non-resident PSPs	419.1	513.6	900.3	1,143.7	1,192.0
of which:					
At terminals located in the reporting country	199.8	238.8	346.3	404.4	323.8
At terminals located abroad	219.3	274.8	553.9	739.3	868.2
of which:					
ATM cash withdrawals	33.8	34.8	81.0	79.6	97.6
ATM cash deposits	-	-	-	-	-
POS transactions ²	382.7	473.6	810.0	1,054.1	1,089.4
of which:					
At terminals located in the reporting country	164.8	201.5	299.1	358.5	296.8
At terminals located abroad	218.0	272.1	510.9	695.7	792.6
E-money card-loading/unloading transactions	-	-	-	-	-
E-money card-payment transactions	2.7	5.1	9.3	10.0	5.0
Transactions at terminals provided by non-resident PSPs with cards issued by resident PSPs	307.0	377.1	450.3	538.9	386.3
of which:					
At terminals located in the reporting country	7.4	10.2	2.3	3.2	5.2
At terminals located abroad	299.5	366.9	448.0	535.7	381.1
of which:					
ATM cash withdrawals	53.0	54.1	55.7	59.7	32.6
ATM cash deposits	-	-	-	-	-
POS transactions ³	251.5	319.0	389.0	473.0	348.8
of which:					
At terminals located in the reporting country	5.8	8.3	2.3	3.2	5.2
At terminals located abroad	245.7	310.7	386.7	469.8	343.6
E-money card-loading/unloading transactions	.	.	.	.	.
E-money card-payment transactions	.	.	.	.	.
<i>Memorandum items:</i>					
Cash advances at POS terminals	5.8	5.8	5.2	5.6	4.4
OTC cash withdrawals	184.3	158.3	138.9	120.4	86.4
OTC cash deposits	130.5	112.0	98.5	85.5	60.1

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)

	2016	2017	2018	2019	2020
Credit transfers	49,643,317	51,289,483	51,748,521	54,799,509	56,874,225
of which:					
Domestic	38,775,346	39,675,428	40,360,338	42,423,524	44,032,890
Cross-border	10,867,971	11,614,054	11,388,183	12,375,985	12,841,335
of which:					
Initiated in paper-based form	3,348,228	3,002,512	2,861,600	2,870,470	2,426,653
Initiated electronically	46,295,089	48,286,971	48,886,383	51,930,516	54,447,572
of which:					
Initiated in a file/batch	17,079,501	17,933,625	17,894,776	18,790,142	20,145,639
Initiated on a single payment basis	29,215,588	30,353,346	30,991,608	33,140,374	34,302,170
of which:					
Online banking based credit transfers ²	198,438	216,617	142,332	153,048	166,877
of which:					
Non-SEPA	33,295,959	32,546,231	32,228,073	33,681,032	34,835,660
Credit transfers received from cross-border	14,804,782	15,371,631	15,719,835	16,749,879	17,553,750
Direct debits	3,337,241	3,313,385	3,361,423	3,427,487	3,200,815
of which:					
Domestic	3,095,593	3,025,511	3,089,823	3,172,366	3,008,428
Cross-border	241,649	287,875	271,601	255,121	192,387
of which:					
Initiated in a file/batch	2,766,709	2,908,132	2,978,583	3,078,268	2,867,028
Initiated on a single payment basis	570,532	405,253	382,840	349,219	333,786
of which:					
Non-SEPA	351,504	200,047	144,591	129,083	85,995
Payment card initiated direct debits	79,193	77,479	81,267	75,678	47,659
Direct debits received from cross-border	416,507	443,176	520,079	637,512	1,266,962
Card payments with cards issued in the country (without transactions with cards with an e-money function)	257,244	280,149	314,129	350,468	363,278
of which:					
Domestic	211,829	227,846	256,782	286,851	312,022
Cross-border	45,415	52,303	57,348	63,617	51,256
of which:					
Payments with cards with a debit function	167,131	182,451	205,780	231,758	267,541
Payments with cards with a delayed debit function	84,095	90,896	100,564	109,795	88,221
Payments with cards with a credit function	6,017	6,797	7,785	8,915	7,516
of which:					
initiated at a physical EFTPOS	218,710	235,262	261,529	286,712	306,119
initiated remotely	37,871	44,078	52,237	62,868	56,402
E-money payment transactions	742	795	847	902	941
of which:					
Domestic	516	537	594	637	743
Cross-border	226	258	254	265	198
of which:					
With cards on which e-money can be stored directly	146	131	124	112	166
With e-money accounts	597	664	723	791	775
of which:					
Accessed through a card	363	460	486	522	456
Cheques	150,969	109,133	90,085	72,452	50,637
of which:					
domestic	147,293	105,988	87,762	70,317	49,139
cross-border	3,676	3,145	2,323	2,134	1,498
Cross-border cheques received	.	.	.	.	.
Total number of transactions (sent) with payment instruments ³	54,042,672	55,590,007	56,076,635	59,176,170	60,914,279
of which:					
domestic	42,881,649	43,630,213	44,354,736	46,446,492	47,825,410
cross-border	11,161,022	11,959,794	11,721,899	12,729,679	13,088,869
Cross-border transactions received	15,223,437	15,815,779	16,240,847	17,388,128	18,821,302
<i>Memorandum items:</i>					
Payments by retailer cards with a payment function ⁴	1,791	1,676	1,618	1,529	...
Credits to the accounts by simple book entry	10,746,382	12,365,751	11,736,593	10,967,294	12,468,359
Debits to the accounts by simple book entry	9,635,933	11,259,505	10,652,470	9,898,863	10,936,129
Money remittances	.	.	.	.	.
of which:					
domestic	.	.	.	.	.
cross-border	2,085	2,118	2,184	2,080	2,192
Cross-border remittances received	281	297	281	221	203
Transactions via telecommunication, digital or IT device	.	.	.	.	.

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. Giro pay 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 2020 has not been available yet.

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

	2016	2017	2018	2019	2020
Transactions at terminals provided by resident PSPs with cards issued by resident PSPs	686,749	705,004	758,201	777,316	735,607
of which:					
At terminals located in the reporting country	685,508	703,620	756,057	775,214	733,943
At terminals located abroad	1,241	1,384	2,144	2,102	1,664
of which:					
ATM cash withdrawals	375,244	379,269	385,542	385,740	341,383
ATM cash deposits	121,038	135,631	147,937	158,417	151,206
POS transactions ²	190,165	189,772	224,392	232,816	242,694
of which:					
At terminals located in the reporting country	188,934	188,401	222,351	230,828	241,095
At terminals located abroad	1,231	1,371	2,041	1,989	1,599
E-money card-loading/unloading transactions	124	97	82	70	45
E-money card-payment transactions	176	233	248	272	279
Transactions at terminals provided by resident PSPs with cards issued by non-resident PSPs	38,077	42,190	60,691	67,302	61,594
of which:					
At terminals located in the reporting country	19,758	21,348	27,274	27,996	18,959
At terminals located abroad	18,320	20,842	33,417	39,306	42,635
of which:					
ATM cash withdrawals	5,485	5,505	10,046	11,049	15,572
ATM cash deposits	-	-	-	-	-
POS transactions ²	32,324	36,232	50,168	55,820	45,818
of which:					
At terminals located in the reporting country	14,185	15,700	20,347	21,126	14,026
At terminals located abroad	18,139	20,532	29,820	34,694	31,792
E-money card-loading/unloading transactions	-	-	-	-	-
E-money card-payment transactions	268	453	477	433	205
Transactions at terminals provided by non-resident PSPs with cards issued by resident PSPs	29,820	35,009	38,036	40,249	24,576
of which:					
At terminals located in the reporting country	423	522	138	166	249
At terminals located abroad	29,398	34,488	37,898	40,083	24,327
of which:					
ATM cash withdrawals	9,952	10,262	10,547	11,335	6,874
ATM cash deposits	-	-	-	-	-
POS transactions ³	19,754	24,608	27,328	28,745	17,584
of which:					
At terminals located in the reporting country	138	273	129	166	249
At terminals located abroad	19,616	24,335	27,199	28,580	17,334
E-money card-loading/unloading transactions	.	.	.	.	.
E-money card-payment transactions	.	.	.	.	.
Memorandum items:					
Cash advances at POS terminals	834	892	798	876	731
OTC cash withdrawals	232,652	209,007	196,426	186,089	153,187
OTC cash deposits	265,150	235,594	217,316	195,617	151,048

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)**

	2016	2017	2018	2019	2020
Credit Institutions (CIs; without Deutsche Bundesbank)					
Number of institutions	1,702	1,632	1,584	1,533	1,508
of which:					
Commercial banks	271	263	263	258	256
Landesbanken and savings banks	423	417	399	386	383
Credit cooperatives	1,025	976	917	842	815
Number of transferable overnight deposits (thousands)	103,814	103,846	105,927	107,946	109,183
of which:					
Commercial banks	32,265	33,099	35,301	37,146	39,070
Landesbanken and savings banks	43,513	43,212	43,130	43,340	42,971
Credit cooperatives	27,299	27,194	27,124	27,109	26,991
of which:					
Number of internet/PC-linked transferable overnight deposits (thousands)	63,859	67,022	70,997	75,124	78,704
of which:					
Commercial banks	24,950	26,791	29,410	31,479	33,682
Landesbanken and savings banks	21,473	22,947	23,928	25,686	27,036
Credit cooperatives	16,720	16,967	17,309	17,629	17,854

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

	2016	2017	2018	2019	2020
Cards with a cash function	149,884	151,014	153,977	159,106	161,574
of which:					
Commercial banks	55,445	56,803	59,635	63,556	65,649
Landesbanken and savings banks	60,507	60,355	60,450	61,613	62,113
Credit cooperatives	32,905	32,826	33,305	33,353	33,036
Cards with a payment function (except cards with an e-money function only)	142,677	144,364	147,448	152,948	158,815
of which:					
Commercial banks	49,544	51,186	54,178	58,370	60,952
of which:					
Cards with a debit function	34,070	34,881	37,162	41,071	42,413
Cards with a delayed debit function	11,805	12,429	12,769	13,117	14,306
Cards with a credit function	3,670	3,876	4,247	4,182	4,233
Landesbanken and savings banks	58,441	58,369	58,415	59,579	62,144
of which:					
Cards with a debit function	46,757	46,569	46,438	46,756	48,521
Cards with a delayed debit function	10,414	10,581	10,578	11,299	12,065
Cards with a credit function	1,279	1,370	1,399	1,523	1,580
Credit cooperatives	32,470	32,375	32,854	32,963	32,624
of which:					
Cards with a debit function	27,819	27,551	27,902	27,809	27,286
Cards with a delayed debit function	4,617	4,792	4,922	5,128	5,311
Cards with a credit function	43	34	31	26	26
Cards with an e-money function	86,745	78,628	77,207	77,449	68,935
of which:					
Commercial banks	28,334	28,568	29,175	29,153	27,199
Landesbanken and savings banks	46,835	46,727	46,688	46,861	36,998
Credit cooperatives	10,322	2,036	271	285	282
Total number of cards ¹	155,586	156,985	159,378	164,760	173,932
of which:					
Commercial banks	57,414	58,961	61,671	65,628	68,208
Landesbanken and savings banks	61,777	61,721	61,270	62,555	65,114
Credit cooperatives	33,240	32,936	33,391	33,391	33,059
of which:					
Cards with a combined debit, cash and e-money function	83,821	74,906	74,164	74,426	61,004
of which:					
Commercial banks	27,144	27,363	28,080	28,253	24,743
Landesbanken and savings banks	46,328	46,125	46,053	46,171	36,259
Credit cooperatives	10,047	1,155	4	.	.

¹ 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)**

	2016	2017	2018	2019	2020
Credit transfers	6,186.2	6,298.6	6,468.2	6,677.3	6,892.1
of which:					
Commercial banks	1,913.7	1,970.0	2,087.5	2,220.9	2,313.1
of which:					
Initiated in paper-based form	75.0	66.2	60.6	57.1	51.6
Initiated electronically	1,838.7	1,903.7	2,026.9	2,163.8	2,261.5
of which:					
Initiated in a file/batch	915.8	956.6	1,023.1	1,097.3	1,129.1
Initiated on a single payment basis	923.0	947.2	1,003.7	1,066.5	1,132.4
of which:					
Domestic	1,827.5	1,870.7	1,963.9	2,070.4	2,120.2
Cross-border	86.2	99.3	123.6	150.5	193.0
Landesbanken and savings banks	2,512.7	2,555.0	2,586.6	2,644.3	2,708.8
of which:					
Initiated in paper-based form	272.4	251.2	233.8	217.2	196.1
Initiated electronically	2,240.2	2,303.7	2,352.8	2,427.0	2,512.7
of which:					
Initiated in a file/batch	1,021.0	1,026.9	1,021.2	1,032.5	1,032.5
Initiated on a single payment basis	1,219.2	1,276.8	1,331.6	1,394.5	1,480.3
of which:					
Domestic	2,480.3	2,516.8	2,542.5	2,593.7	2,642.0
Cross-border	32.4	38.2	44.1	50.6	66.9
Credit cooperatives	1,289.7	1,301.1	1,315.4	1,336.6	1,353.4
of which:					
Initiated in paper-based form	219.8	200.8	185.7	174.0	152.9
Initiated electronically	1,070.0	1,100.2	1,129.7	1,162.7	1,200.5
of which:					
Initiated in a file/batch	315.0	319.3	325.7	331.5	333.9
Initiated on a single payment basis	754.9	781.0	804.0	831.1	866.6
of which:					
Domestic	1,272.4	1,281.9	1,293.5	1,311.9	1,323.3
Cross-border	17.3	19.2	21.8	24.7	30.1
Direct debits	9,764.5	10,305.7	10,619.9	10,979.0	11,593.8
of which:					
Commercial banks	5,491.6	5,809.1	6,143.5	6,401.5	6,829.8
of which:					
Initiated in a file/batch	4,610.1	5,151.3	5,543.8	5,775.7	6,171.6
Initiated on a single payment basis	881.4	657.8	599.7	625.8	658.2
of which:					
Domestic	5,334.3	5,598.0	5,887.2	6,108.1	6,492.2
Cross-border	157.2	211.1	256.3	293.4	337.6
Landesbanken and savings banks	3,016.9	3,166.2	3,142.9	3,267.2	3,484.2
of which:					
Initiated in a file/batch	2,984.2	3,137.4	3,113.9	3,237.8	3,452.1
Initiated on a single payment basis	32.7	28.8	29.0	29.4	32.1
of which:					
Domestic	3,010.4	3,159.8	3,135.9	3,259.1	3,476.5
Cross-border	6.5	6.4	7.0	8.0	7.7
Credit cooperatives	653.7	660.1	667.8	689.3	654.4
of which:					
Initiated in a file/batch	541.3	552.1	561.9	589.6	562.2
Initiated on a single payment basis	112.4	108.0	105.9	99.7	92.2
of which:					
Domestic	652.7	658.9	666.1	687.0	651.8
Cross-border	1.0	1.2	1.6	2.3	2.7
Card payments with cards issued in the country (without transactions with cards with an e-money function)	4,043.9	4,486.2	5,300.2	6,295.9	7,520.0
of which:					
Commercial banks	1,238.1	1,415.6	1,726.9	2,155.8	2,654.5
of which:					
Domestic	960.1	1,072.3	1,295.4	1,615.9	2,148.9
Cross-border	278.0	343.3	431.5	539.9	505.6
Landesbanken and savings banks	1,671.1	1,866.7	2,172.4	2,547.6	3,013.0
of which:					
Domestic	1,457.6	1,594.5	1,901.9	2,253.5	2,731.1
Cross-border	213.6	272.1	270.5	294.1	281.9
Credit cooperatives	995.9	1,055.4	1,235.1	1,416.5	1,642.7
of which:					
Domestic	893.5	942.4	1,102.4	1,272.5	1,518.7
Cross-border	102.3	113.1	132.7	144.0	124.0

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

	2016	2017	2018	2019	2020
Cheques	17.5	12.8	10.5	8.3	6.2
of which:					
Commercial banks	4.2	2.8	2.2	1.8	1.3
Landesbanken and savings banks	7.6	5.7	4.7	3.7	2.8
Credit cooperatives	5.1	3.9	3.2	2.6	1.9
E-money payment transactions	36.8	35.5	34.6	33.5	27.1
of which:					
Commercial banks	5.7	5.4	5.8	5.3	3.8
Landesbanken and savings banks	22.1	21.3	19.3	16.9	8.3
Credit cooperatives	6.1	5.4	5.7	6.2	5.1
Total number of transactions with payment instruments	20,372.4	21,417.8	22,679.2	24,207.9	26,192.9
of which:					
Commercial banks	8,658.7	9,208.0	9,970.7	10,789.8	11,806.8
Landesbanken and savings banks	7,230.2	7,614.8	7,925.9	8,479.7	9,217.2
Credit cooperatives	2,950.5	3,025.9	3,227.1	3,451.2	3,657.5

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

	2016	2017	2018	2019	2020
Credit transfers	49,643,317	51,289,483	51,748,521	54,799,509	56,874,225
of which:					
Commercial banks	31,498,180	32,745,730	33,078,343	35,331,256	35,832,191
of which:					
Initiated in paper-based form	863,067	797,871	693,478	647,497	536,142
Initiated electronically	30,635,113	31,947,859	32,384,865	34,683,759	35,296,048
of which:					
Initiated in a file/batch	7,850,210	7,993,622	7,999,366	8,466,634	8,284,746
Initiated on a single payment basis	22,784,903	23,954,237	24,385,500	26,217,125	27,011,540
of which:					
Domestic	21,937,654	22,572,594	23,204,076	24,599,857	24,779,815
Cross-border	9,560,526	10,173,136	9,874,267	10,731,399	11,052,376
Landesbanken and savings banks	8,980,436	9,056,976	9,081,350	9,245,662	9,904,284
of which:					
Initiated in paper-based form	1,287,785	1,165,915	1,170,781	1,139,625	991,707
Initiated electronically	7,692,651	7,891,062	7,910,569	8,106,038	8,912,577
of which:					
Initiated in a file/batch	3,156,969	3,394,772	3,319,136	3,147,807	3,599,764
Initiated on a single payment basis	4,535,682	4,496,289	4,591,434	4,958,231	5,312,813
of which:					
Domestic	8,446,286	8,480,033	8,518,264	8,623,244	9,256,670
Cross-border	534,150	576,944	563,086	622,419	647,614
Credit cooperatives	2,638,240	2,625,172	2,589,976	2,659,973	2,514,461
of which:					
Initiated in paper-based form	742,223	661,736	575,072	569,828	439,972
Initiated electronically	1,896,017	1,963,402	2,014,904	2,091,623	2,074,489
of which:					
Initiated in a file/batch	676,881	720,806	763,789	817,623	793,164
Initiated on a single payment basis	1,219,136	1,242,630	1,251,115	1,274,000	1,281,325
of which:					
Domestic	2,564,630	2,544,530	2,503,531	2,565,195	2,414,707
Cross-border	73,611	80,642	86,445	94,778	99,753
Direct debits	3,337,241	3,313,385	3,361,423	3,427,487	3,200,815
of which:					
Commercial banks	1,560,214	1,492,743	1,506,627	1,523,229	1,316,708
of which:					
Initiated in a file/batch	1,093,374	1,179,459	1,212,450	1,265,240	1,075,470
Initiated on a single payment basis	466,840	313,283	294,177	257,989	241,238
of which:					
Domestic	1,461,578	1,376,779	1,401,939	1,428,133	1,237,077
Cross-border	98,636	115,964	104,688	95,096	79,632
Landesbanken and savings banks	969,405	974,522	987,399	1,023,404	1,041,652
of which:					
Initiated in a file/batch	935,701	940,150	954,195	989,762	1,005,258
Initiated on a single payment basis	33,704	34,372	33,204	33,643	36,394
of which:					
Domestic	966,670	971,108	983,099	1,017,578	1,034,768
Cross-border	2,736	3,413	4,300	5,827	6,884
Credit cooperatives	246,327	248,944	240,126	259,652	248,625
of which:					
Initiated in a file/batch	203,935	212,900	206,476	222,306	211,964
Initiated on a single payment basis	42,392	36,044	33,649	37,345	36,661
of which:					
Domestic	245,201	247,690	238,753	257,559	246,512
Cross-border	1,126	1,253	1,373	2,093	2,113
Card payments with cards issued in the country (without transactions with cards with an e-money function)	257,244	280,149	314,129	350,468	363,278
of which:					
Commercial banks	78,158	87,357	100,200	116,498	125,357
of which:					
Domestic	59,110	64,859	73,888	86,035	99,807
Cross-border	19,048	22,497	26,311	30,463	25,550
Landesbanken and savings banks	89,832	99,543	110,937	123,641	128,984
of which:					
Domestic	77,261	83,860	96,259	108,043	117,235
Cross-border	12,571	15,682	14,679	15,598	11,749
Credit cooperatives	70,203	74,008	82,292	88,732	92,551
of which:					
Domestic	63,518	66,511	73,618	79,428	84,767
Cross-border	6,686	7,496	8,674	9,304	7,784

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

	2016	2017	2018	2019	2020
Cheques	150,969	109,133	90,085	72,452	50,637
of which:					
Commercial banks	88,329	63,071	53,847	43,874	31,104
Landesbanken and savings banks	34,016	25,818	20,894	16,752	11,164
Credit cooperatives	20,307	15,224	12,135	9,696	6,836
E-money payment transactions	742	795	847	902	941
of which:					
Commercial banks	109	102	79	82	51
Landesbanken and savings banks	65	64	60	55	30
Credit cooperatives	183	198	223	242	194
Total value of transactions with payment instruments	54,042,672	55,590,007	56,076,635	59,176,170	60,914,279
of which:					
Commercial banks	33,227,087	34,390,959	34,741,033	37,016,653	37,307,072
Landesbanken and savings banks	10,073,869	10,156,994	10,200,688	10,409,543	11,086,130
Credit cooperatives	2,975,312	2,963,575	2,924,773	3,018,307	2,862,671

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

	2016	2017	2018	2019	2020
GERMAN TARGET COMPONENT (TARGET2)					
Number of participants	989	959	941	803	979
of which:					
Direct participants	848	816	802	683	857
of which:					
Credit institutions	842	810	796	677	851
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	141	143	139	120	122
RETAIL SYSTEM (EMZ)					
Number of direct participants ¹	191	198	190	192	189
of which:					
Credit institutions	181	188	180	182	179
Central banks	6	6	6	5	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)**

	2016	2017	2018	2019	2020
GERMAN TARGET COMPONENT (TARGET2)					
Credit transfers and direct debits sent	44.5	44.7	47.4	48.2	48.8
of which:					
Credit transfers and direct debits sent within the same TARGET component	31.6	30.5	31.9	31.3	30.1
Credit transfers and direct debits sent to another TARGET component	12.9	14.2	15.5	16.9	18.7
of which:					
Transactions sent to a euro area TARGET component	12.4	13.6	14.8	16.1	17.8
Transactions sent to a non-euro area TARGET component	0.5	0.6	0.7	0.9	0.9
Concentration ratio (%) ¹	51.4	51.0	48.2	50.0	49.3
<i>Memorandum item:</i>					
Credit transfers and direct debits received from another TARGET component	8.9	9.7	10.4	9.7	10.2
RETAIL SYSTEM (EMZ)					
Total transactions	4,274.5	4,382.1	4,766.4	5,302.6	6,148.9
of which:					
Credit transfers	1,301.7	1,322.6	1,360.7	1,421.7	1,541.9
Direct debits	1,763.2	1,727.9	1,789.8	1,936.0	2,247.6
Card payments ²	1,141.3	1,284.9	1,568.6	1,899.7	2,335.2
ATM transactions ²	36.5	37.2	39.6	39.0	19.7
E-money payments ²	0.6	0.7	0.5	0.5	0.0
Cheques	1.2	8.8	7.3	5.8	4.6
Other payment instruments ³	29.9	.	.	.	.
Concentration ratio (%) ⁴	37.6	40.7	36.2	43.5	47.9

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)**

	2016	2017	2018	2019	2020
GERMAN TARGET COMPONENT (TARGET2)					
Credit transfers and direct debits sent	201,111.1	187,947.6	191,859.9	209,082.3	221,006.2
of which:					
Credit transfers and direct debits sent within the same TARGET component	145,563.5	126,380.2	128,114.6	138,277.8	144,035.3
Credit transfers and direct debits sent to another TARGET component	55,547.6	61,567.4	63,745.3	70,804.5	76,971.0
of which:					
Transactions sent to a euro area TARGET component	51,948.9	58,196.9	62,043.1	69,094.1	74,914.9
Transactions sent to a non-euro area TARGET component	3,598.7	3,370.4	1,702.2	1,710.5	2,056.1
Concentration ratio (%) ¹	43.6	42.4	38.8	42.4	45.2
<i>Memorandum item:</i>					
Credit transfers and direct debits received from another TARGET component	54,819.5	57,482.3	63,414.6	68,078.7	74,332.3
RETAIL SYSTEM (EMZ)					
Total transactions	3,086.9	3,179.0	3,311.3	3,479.2	3,724.3
of which:					
Credit transfers	2,158.4	2,276.7	2,387.6	2,536.8	2,794.4
Direct Debits	746.4	748.8	772.8	791.4	782.4
Card payments ²	67.1	73.3	84.9	96.7	108.4
ATM transactions ²	5.8	6.1	6.5	6.6	4.0
E-money payments ²	0.0	0.0	0.0	0.0	0.0
Cheques	10.5	74.0	59.4	47.6	35.0
Other Payment Instruments ³	98.8	.	.	.	.
Concentration ratio (%) ⁴	35.6	37.5	37.9	36.9	37.8

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)**

	2016	2017	2018	2019	2020
Xetra					
Total number of participants	195	170	169	167	156
of which:					
Number of domestic participants	93	80	77	76	72
Number of foreign participants	102	90	92	91	84
Xetra Frankfurt Specialist ¹					
Total number of participants	148	129	129	130	117
of which:					
Number of domestic participants	138	120	123	125	114
Number of foreign participants	10	9	6	5	3
Eurex ²					
Total number of participants	608	511	493	476	476
of which:					
Number of domestic participants	69	49	59	49	48
Number of foreign participants	539	462	434	427	428

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)**

	2016	2017	2018	2019	2020
Xetra					
Total number of listed securities	4.7	4.7	4.2	4.2	4.3
Xetra Frankfurt Specialist					
Total number of listed securities	1,618.3	1,905.8	2,139.2	1,535.9	1,342.1
of which:					
Debt securities	.	29.7	30.3	29.8	31.1
Equity	0.6	0.5	0.5	0.5	0.4
Other	1,617.7	1,875.6	2,108.3	1,505.6	1,310.6

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

	2016	2017	2018	2019	2020
Xetra Total market capitalisation / equity	1,630,413	1,888,277	1,533,495	1,871,571	1,870,685

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

	2016	2017	2018	2019	2020
Xetra					
Total number of executed securities trades	144,365	147,375	141,588	129,062	32,734
of which:					
Debt securities	450	354	266	288	346
Equity ¹	141,685	144,510	138,648	126,474	28,083
Other	2,229	2,511	2,674	2,300	4,305
Xetra Frankfurt Specialist					
Total number of executed securities trades	2,997	2,765	3,089	2,607	3,063
of which:					
Debt securities	34	33	32	27	13
Equity ^{1, 2}	773	838	971	1,046	491
Other	2,190	1,894	2,086	1,534	2,558
Eurex ³					
Total number of executed derivatives trades	1,174,512	1,328,774	1,925,224	1,914,679	1,826,584
of which:					
Financial futures	599,178	762,447	1,239,771	1,232,337	1,151,699
Financial options	575,334	566,327	685,453	682,342	674,885

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)**

	2016	2017	2018	2019	2020
Xetra					
Total value of executed securities trades	1,375,049	1,463,230	1,718,805	1,499,525	396,028
of which:					
Debt securities	7,351	5,723	4,794	4,975	5,943
Equity ¹	1,349,062	1,441,191	1,698,195	1,480,762	363,261
Other	18,636	16,317	15,817	13,788	26,824
Xetra Frankfurt Specialist					
Total value of executed securities trades	133,310	102,690	60,597	50,690	37,879
of which:					
Debt securities ²	4,470	3,925	3,314	2,488	1,644
Equity ^{1, 3}	110,320	81,723	37,436	34,414	17,629
Other	18,520	17,041	19,847	13,788	18,606
Eurex ⁴					
Total value of executed derivatives trades	33,839,368	71,690,004	125,826,604	121,014,776	117,825,131
of which:					
Financial futures	20,424,912	53,472,602	99,847,562	95,825,810	96,530,106
Financial options	13,414,456	18,217,402	25,979,043	25,188,966	21,295,025

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)**

	2016	2017	2018	2019	2020
Eurex Clearing AG					
Total number of clearing members	195	190	209	218	222
of which:					
Number of domestic clearing members	63	59	70	63	63
Number of foreign clearing members	132	131	139	155	101

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

	2016	2017	2018	2019	2020
Eurex Clearing AG					
Total number of contracts and transactions cleared	3,689,081	3,598,890	4,147,297	4,111,131	4,059,683
of which:					
Number of securities transactions cleared	234,100	247,050	243,698	216,729	336,692
of which:					
Number of outright transactions cleared	233,987	246,942	243,566	216,573	336,530
of which:					
Debt securities	22	9	7	6	9
Equity	233,965	246,933	243,559	216,567	336,521
Number of repurchase transactions cleared	113	108	132	156	162
of which:					
Debt securities	113	108	126	156	162
Equity	0	0	6	0	0
Number of exchange-traded derivatives contracts cleared ¹	3,454,963	3,351,796	3,903,526	3,894,270	3,722,810
of which:					
Financial futures	2,171,957	2,098,581	2,507,699	2,493,008	2,337,609
Financial options	1,282,814	1,252,989	1,392,941	1,385,025	1,369,674
Commodity futures	191	213	103	93	64
Commodity options	1	13	2,783	16,144	15,463
Number of OTC-traded derivatives contracts cleared	18	44	73	132	181

¹ Turnovers in Germany and Switzerland.

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

	2016	2017	2018	2019	2020
Eurex Clearing AG					
Total value of contracts and transactions cleared	236,174,814	247,913,071	281,257,273	286,021,214	287,821,859
of which:					
Value of securities transactions cleared	15,181,523	12,113,987	14,568,345	17,450,439	20,341,748
of which:					
Value of outright transactions cleared	3,097,349	3,088,490	3,269,517	2,728,731	3,462,406
of which:					
Debt securities	223,300	106,687	478	445	73,066
Equity	2,874,049	2,981,803	3,269,039	2,728,286	3,389,340
Value of repurchase transactions cleared	12,084,174	9,025,497	11,298,828	14,721,708	16,879,342
of which:					
Debt securities	12,084,174	9,025,497	11,298,708	14,721,658	16,879,342
Equity	0	0	120	50	0
Value of exchange-traded derivatives contracts cleared ¹	220,122,997	233,174,441	251,941,000	242,347,679	236,054,886
of which:					
Financial futures	175,993,901	184,205,081	199,880,063	191,835,708	193,344,763
Financial options	44,126,441	48,965,994	52,051,261	50,467,407	42,663,049
Commodity futures	2,592	3,189	2,946	4,551	2,338
Commodity options	63	177	6,730	40,013	44,736
Value of OTC-traded derivatives contracts cleared	870,294	2,624,643	14,747,928	26,223,096	31,425,225

¹ Turnovers in Germany and Switzerland.

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

	2016	2017	2018	2019	2020
Clearstream Banking Aktiengesellschaft					
Total number of participants	270	302	330	261	286
of which:					
Number of domestic participants	164	157	153	156	176
of which:					
Central banks	1	1	1	1	1
Central counterparties	2	2	2	2	1
Central securities depositories	0	0	0	0	0
Credit institutions	129	126	122	125	102
Other	32	28	28	28	72
Number of foreign participants	106	145	177	105	110
of which:					
Central banks	1	1	1	1	1
Central counterparties	0	2	2	1	0
Central securities depositories	10	10	9	7	6
Credit institutions	81	122	154	88	103
Other	14	10	11	8	0

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

	2016	2017	2018	2019	2020
Clearstream Banking Aktiengesellschaft					
Total number of securities held ¹	4,050.0	3,832.0	3,923.7	3,201.9	3,498.2

¹ Number of debt securities not available.

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

	2016	2017	2018	2019	2020
Clearstream Banking Aktiengesellschaft					
Total value of securities held	7,719,215	8,275,940	8,777,554	9,595,761	10,550,869
of which:					
Debt securities	3,546,430	3,586,016	4,415,536	4,557,005	5,227,154
of which:					
Short-term paper	104,311	89,306	172,279	184,033	343,214
Bonds	3,442,119	3,496,710	4,243,257	4,372,972	4,883,940
Equity	1,898,204	2,210,847	1,925,011	4,858,313	5,164,341
Other	2,274,581	2,479,077	2,437,007	180,443	159,374

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

	2016	2017	2018	2019	2020
Clearstream Banking Aktiengesellschaft					
Total number of delivery instructions	56,050	59,525	63,261	65,218	101,818
of which:					
Delivery versus payment	44,688	47,677	51,508	52,792	84,895
of which:					
Debt securities	2,707	2,907	2,826	4,335	4,984
of which:					
Short-term paper	328	323	297	348	444
Bonds	2,379	2,584	2,529	3,987	4,540
Equity	26,800	30,319	31,962	33,222	50,640
Other	15,181	14,451	16,720	15,235	29,271
Free of payment	11,362	11,848	11,753	12,426	16,923
of which:					
Debt securities	1,855	1,522	1,729	2,046	2,117
of which:					
Short-term paper	118	118	138	155	176
Bonds	1,737	1,404	1,591	1,891	1,941
Equity	8,807	9,154	9,107	9,521	13,031
Other	700	1,172	917	859	1,775

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

	2016	2017	2018	2019	2020
Clearstream Banking Aktiengesellschaft					
Total value of delivery instructions	46,578,296	45,296,911	50,250,297	68,365,798	198,683,990
of which:					
Delivery versus payment	16,223,034	18,547,708	21,437,989	35,134,499	44,631,681
of which:					
Debt securities	10,780,902	12,729,675	15,038,303	29,031,360	37,422,388
of which:					
Short-term paper	1,237,324	975,532	1,465,373	2,376,404	4,435,874
Bonds	9,543,578	11,754,143	13,572,930	26,654,956	32,986,514
Equity	5,275,977	5,660,004	6,221,673	5,948,204	6,934,417
Other	166,155	158,029	178,013	154,935	274,876
Free of payment	30,355,262	26,749,203	28,812,308	33,231,299	154,052,309
of which:					
Debt securities	25,506,653	20,692,932	22,430,869	27,551,505	147,527,242
of which:					
Short-term paper	1,044,463	907,105	1,962,804	2,363,117	2,787,739
Bonds	24,462,190	19,785,827	20,468,065	25,188,388	144,739,503
Equity	4,804,281	5,948,089	6,286,940	5,550,872	6,036,370
Other	44,328	108,182	94,499	128,922	488,697