



# **Statistics on Payments and Securities Trading, Clearing and Settlement in Germany 2014 to 2018**

(as of July 2019)

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.

Data for reference periods 2014 to 2017 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/b0deb70baabea9bea65d541b4a7ea308/mL/statso01-07-zahlungsverkehrsstatistik-allgemeine-richtlinien-data.pdf>

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

	2014	2015	2016	2017	2018
Population <sup>1</sup> (thousands)	80.983	81.687	82.349	82.657	82.902
GDP (EUR billions)	2.939	3.049	3.160	3.277	3.386
GDP per capita (EUR)	36.287	37.324	38.370	39.650	40.843
HICP (annual percentage changes)	0,8	0,7	0,4	1,7	1,9

<sup>1</sup> Annual average.

**Table 2****Settlement media used by non-PSPs<sup>1</sup>**

(EUR billions; end of year)

	2014	2015	2016	2017	2018
Value of overnight deposits held by non-MFIs	1.639,3	1.849,9	2.016,8	2.185,5	2.344,6
of which:					
Value of transferable overnight deposits	911,0	1.086,9	1.239,1	1.379,5	1.515,7
<i>Memorandum items:</i>					
Overnight deposits in foreign currencies held by non-MFIs	63,3	62,1	56,3	59,6	63,6
Outstanding value on e-money storages issued by MFIs	0,1	0,1	0,1	0,1	0,1

<sup>1</sup> 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)

	2014	2015	2016	2017	2018
Value of overnight deposits held at the central bank	90,3	224,4	434,6	628,9	606,7
of which:					
Required reserves	28,6	31,2	33,5	34,4	35,5
Free reserves	61,7	193,2	401,1	594,5	632,5
Value of overnight deposits held at other credit institutions (end of period)	404,6	376,5	325,4	289,6	288,5
of which:					
Value of transferable, overnight deposits held at other credit institutions (end of period)	124,5	125,8	165,1	171,6	171,4
<i>Memorandum items:</i>					
Credit extended by the central bank	44,1	52,1	62,8	94,2	89,5
of which:					
Overnight <sup>1</sup>	0,0	0,1	0,0	0,0	0,1
Other <sup>2</sup> (open market operations)	44,1	52,0	62,8	94,2	94,3

<sup>1</sup> Marginal lending facility.

<sup>2</sup> Other monetary policy operations vis-à-vis the Eurosystem.

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

	2014	2015	2016	2017	2018
<b>Deutsche Bundesbank</b>					
Number of offices	41	35	35	35	35
Number of overnight deposits (thousands)	23,3	23,0	23,0	22,9	22,9
of which:					
Number of internet/PC-linked overnight deposits (thousands)	13,1	13,6	14,1	14,4	14,8
Value of transferable overnight deposits (EUR millions)	10.096	74.356	118.635	135.379	154.421
<b>Credit institutions (without Deutsche Bundesbank) irrespective of their legal incorporation</b>					
Number of institutions	1.808	1.774	1.702	1.632	1.584
Number of offices <sup>1</sup>	37.090	34.115	32.069	30.172	27.993
Number of overnight deposits <sup>2</sup> (thousands)	145.449	148.108	150.866	151.359	150.968
of which:					
Number of internet/PC-linked overnight deposits (thousands)	78.618	81.474	85.971	89.337	91.693
Number of transferable overnight deposits (thousands)	99.844	101.630	103.814	103.846	105.002
of which:					
Number of internet/PC-linked transferable overnight deposits (thousands)	57.188	60.499	63.859	67.022	70.164
Value of overnight deposits <sup>2</sup> (EUR billions)	1.631	1.776	1.898	2.051	2.190
of which:					
Value of transferable overnight deposits (EUR billions)	901	1.013	1.120	1.247	1.361
Number of payment accounts <sup>3</sup> (thousands)	100.191	102.080	104.568	104.676	105.646
Number of e-money accounts (thousands)	346	449	755	830	644
Outstanding value on e-money storages (EUR millions)	78	71	67	64	53
<b>Institutions legally incorporated in the reporting country</b>					
Number of institutions	1.698	1.666	1.600	1.533	1.473
Number of offices <sup>1</sup>	36.831	33.856	31.818	29.912	27.730
Value of overnight deposits <sup>2</sup> (EUR billions)	1.546	1.681	1.800	1.945	2.080
<b>Branches of euro area-based banks</b>					
Number of institutions operating branches	64	60	55	56	63
Number of offices	182	176	170	177	185
Value of overnight deposits <sup>2</sup> (EUR billions)	55	71	76	86	93
<b>Branches of EEA-based banks (outside the euro area)</b>					
Number of institutions operating branches	27	29	28	31	30
Number of offices	46	48	46	48	46
Value of overnight deposits <sup>2</sup> (EUR billions)	24	18	15	13	12
<b>Branches of non-EEA-based banks</b>					
Number of institutions operating branches	19	19	19	19	18
Number of offices	31	35	35	35	32
Value of overnight deposits <sup>2</sup> (EUR billions)	5	6	7	7	5

**Table 4 (continued)**

	2014	2015	2016	2017	2018
<b>Electronic money institutions</b>					
Number of institutions	4	7	7	7	5
Number of e-money accounts (thousands)	.	1.025	1.215	1.362	1.548
Outstanding value on e-money storages (EUR millions)	.	.	.	.	.
<b>Other institutions offering payment services to non-PSPs</b>					
Number of institutions <sup>4</sup>	44	46	46	51	56
Number of offices	66	66	67	97	114
Number of overnight deposits (thousands)	.	7	7	7	6
Number of payment accounts <sup>3</sup> (thousands)	.	7	7	7	6
<b>Institutions offering payment services to non-PSPs (total)</b>					
Number of institutions	1.857	1.828	1.756	1.691	1.646
Number of offices <sup>5</sup>	37.197	34.216	32.171	30.304	28.142
Number of overnight deposits (thousands)	145.480	148.138	150.897	151.388	150.997
of which:					
Number of internet/PC-linked overnight deposits (thousands)	78.631	81.488	85.985	89.351	91.708
Number of transferable overnight deposits (thousands)	99.875	101.661	103.844	103.876	105.031
of which:					
Number of internet/PC-linked transferable overnight deposits (thousands)	57.201	60.512	63.873	67.037	70.179
Value of overnight deposits <sup>2</sup> (EUR billions)	1.642	1.851	2.017	2.186	2.345
Number of payment accounts <sup>3</sup> (thousands)	100.250	103.135	105.814	106.068	107.223
Number of e-money accounts (thousands)	375	1.474	1.970	2.192	2.193
Outstanding value on e-money storages (EUR millions)	96	95	96	94	83

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

<sup>2</sup> Includes transferable and non-transferable deposits and deposits for card-based e-money.

<sup>3</sup> Includes transferable overnight deposits and deposits for card-based e-money.

<sup>4</sup> 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/>

<sup>5</sup> Electronic money institutions not included.

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

	2014	2015	2016	2017	2018
<b>Cards issued by resident PSPs (thousands)</b>					
Cards with a cash function	144.283	147.295	149.884	151.014	153.270
Cards with a payment function (except cards with an e-money function only)	135.354	139.248	142.677	144.364	146.825
of which:					
Cards with a debit function	104.100	106.103	108.951	109.312	110.934
Cards with a delayed debit function	26.862	28.245	28.733	29.772	30.213
Cards with a credit function	4.392	4.900	4.992	5.280	5.678
Cards with an e-money function	95.557	91.908	86.745	78.628	77.267
of which:					
Cards on which e-money can be stored directly	95.190	91.440	85.987	77.761	76.513
Cards which give access to e-money stored on e-money accounts	366	468	758	867	754
Cards with an e-money function which have been loaded at least once	4.905	3.788	4.090	4.179	3.935
Total number of cards <sup>1</sup>	148.348	151.136	155.586	156.985	158.757
of which:					
Cards with a combined debit, cash and e-money function	94.416	89.893	83.821	74.906	74.262
<i>Memorandum item:</i>					
Retailer cards with a payment function <sup>2</sup>	10.037	9.766	9.900	9.400	.
<b>Terminals provided by resident PSPs</b>					
ATMs <sup>3</sup>	86.767	86.702	86.035	85.083	85.885
of which:					
ATMs with a cash withdrawal function	58.014	58.811	58.909	58.103	58.644
ATMs with a credit transfer function	27.793	27.723	27.848	27.837	27.878
POS terminals <sup>4, 5</sup>	1.147.217	1.128.718	1.141.388	1.206.830	1.179.321
of which:					
Located in the reporting country	1.034.550	998.846	1.011.529	1.053.846	1.049.044
Located abroad	112.667	129.872	129.859	152.984	130.277
of which:					
EFTPOS terminals	766.367	784.203	796.108	816.200	840.021
E-money card terminals	480.169	448.833	463.620	449.002	417.063
of which:					
E-money card-loading terminals	60.514	61.118	60.038	58.372	57.763
E-money card-accepting terminals <sup>4</sup>	419.655	387.715	403.582	390.630	359.300

<sup>1</sup> Irrespective of the card's number of functions.<sup>2</sup> Data source: PaySys Consultancy GmbH. Data for reference period 2018 has not been available yet.<sup>3</sup> Number of physical machines – regardless of their various functions.<sup>4</sup> Only active terminals (terminals with at least one transaction in the reference period). Including e-money retail payment terminals. Data source: Deutsche Kreditwirtschaft (DK).<sup>5</sup> 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<sup>1</sup>****Number of transactions***(millions; total for the year)*

	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Credit transfers</b>	5.633,1	6.019,7	6.186,2	6.298,6	6.452,7
of which:					
Domestic	5.507,3	5.887,7	6.042,4	6.133,5	6.255,9
Cross-border	125,8	132,0	143,7	165,1	196,7
of which:					
Initiated in paper-based form	623,5	612,2	570,5	521,3	482,5
Initiated electronically	5.009,6	5.407,5	5.615,7	5.777,3	5.970,2
of which:					
Initiated in a file/batch	2.570,5	2.654,4	2.707,2	2.760,7	2.822,5
Initiated on a single payment basis	2.439,1	2.753,1	2.908,5	3.016,6	3.147,7
of which:					
Online banking based credit transfers <sup>2</sup>	108,8	118,0	133,3	143,3	148,4
of which:					
Non-SEPA	232,7	77,1	59,5	53,0	50,5
Credit transfers received from cross-border	102,6	120,0	129,4	181,7	181,7
<b>Direct debits</b>	8.517,8	9.675,9	9.764,5	10.305,7	10.616,4
of which:					
Domestic	8.452,8	9.566,4	9.599,2	10.086,1	10.347,4
Cross-border	65,1	109,5	165,3	219,6	269,0
of which:					
Initiated in a file/batch	6.993,0	7.990,0	8.635,5	9.411,1	9.782,6
Initiated on a single payment basis	1.524,8	1.685,9	1.129,0	894,7	833,8
of which:					
Non-SEPA	3.376,3	2.868,0	358,5	62,9	58,1
Payment card initiated direct debits	1.413,6	1.576,5	1.290,3	1.538,9	1.320,2
Direct debits received from cross-border	36,6	39,5	47,8	89,9	119,2
<b>Card payments with cards issued in the country (without transactions with cards with an e- money function)</b>	3.433,9	3.690,6	4.043,9	4.486,2	5.297,2
of which:					
Domestic	3.021,5	3.096,3	3.395,1	3.704,4	4.398,1
Cross-border	412,4	594,3	648,8	781,8	899,2
of which:					
Payments with cards with a debit function	2.595,1	2.722,6	2.963,4	3.275,4	3.911,6
Payments with cards with a delayed debit function	762,5	879,0	984,0	1.100,8	1.259,5
Payments with cards with a credit function	76,4	89,0	96,5	110,0	126,3
of which:					
initiated at a physical EFTPOS	3.083,1	3.292,7	3.522,3	3.863,9	4.560,9
initiated remotely	350,8	397,9	517,4	617,5	734,9
<b>E-money payment transactions</b>	34,0	32,4	36,8	35,5	33,5
of which:					
Domestic	33,1	30,9	32,2	29,5	26,9
Cross-border	0,9	1,4	4,6	6,1	6,6
of which:					
With cards on which e-money can be stored directly	32,0	29,2	29,1	26,8	24,0
With e-money accounts	2,1	3,1	7,7	8,7	9,5
of which:					
Accessed through a card	1,0	1,4	5,6	7,7	8,1

**Table 6a (continued)**

	2014	2015	2016	2017	2018
<b>Cheques</b>	29,9	21,4	17,5	12,8	10,5
of which:					
domestic	27,9	20,6	16,8	12,2	10,0
cross-border	2,0	0,8	0,7	0,6	0,5
Cross-border cheques received	.	.	.	.	.
<b>Total number of transactions (sent) with payment instruments<sup>3</sup></b>	18.042,6	19.798,6	20.372,4	21.417,8	22.656,3
of which:					
Cross-border transactions sent	610,0	842,9	968,5	1.178,8	1.374,5
Cross-border transactions received	139,9	160,4	178,0	272,6	301,6
<i>Memorandum items:</i>					
Payments by retailer cards with a payment function <sup>4</sup>	45,3	37,6	35,5	31,2	.
Credits to the accounts by simple book entry	1.050,2	959,9	776,7	742,8	735,8
Debits to the accounts by simple book entry	2.780,0	1.833,3	1.913,5	1.906,3	1.987,6
Money remittances	7,3	8,3	8,7	8,3	8,3
of which:					
domestic	3,4	3,4	3,5	3,0	3,0
cross-border	3,8	4,9	5,2	5,3	5,3
Cross-border remittances received	0,5	0,6	0,6	0,7	0,7
Transactions via telecommunication, digital or IT device	.	0,2	0,0	0,0	0,0

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

<sup>2</sup> 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).

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

<sup>4</sup> Data source: PaySys Consultancy GmbH. Data for reference period 2018 has not been available yet.



**Table 6b****Transactions per type of terminal<sup>1</sup>****Number of transactions***(millions; total for the year)*

	2014	2015	2016	2017	2018
<b>Transactions at terminals provided by resident PSPs with cards issued by resident PSPs</b>	4.941,2	5.237,6	5.487,7	5.525,2	5.905,6
of which:					
At terminals located in the reporting country	4.932,2	5.228,8	5.479,6	5.515,0	5.891,6
At terminals located abroad	9,0	8,8	8,2	10,2	14,0
of which:					
ATM cash withdrawals	2.021,3	2.154,9	2.161,4	2.113,4	2.070,7
ATM cash deposits	111,7	120,2	134,7	146,8	158,8
POS transactions <sup>2</sup>	2.777,0	2.931,5	3.160,6	3.235,1	3.649,4
of which:					
At terminals located in the reporting country	2.768,0	2.922,7	3.152,6	3.225,1	3.635,6
At terminals located abroad	9,0	8,8	8,0	10,0	13,8
E-money card-loading/unloading transactions	6,0	4,8	3,5	2,8	2,3
E-money card-payment transactions	25,1	26,2	27,4	26,9	24,2
<b>Transactions at terminals provided by resident PSPs with cards issued by non-resident PSPs</b>	379,7	370,1	419,1	513,6	674,7
of which:					
At terminals located in the reporting country	177,1	172,2	199,8	238,8	324,6
At terminals located abroad	202,7	197,9	219,3	274,8	350,1
of which:					
ATM cash withdrawals	32,7	27,3	33,8	34,8	35,0
ATM cash deposits	.	.	.	.	.
POS transactions <sup>2</sup>	347,1	342,8	382,7	473,6	630,5
of which:					
At terminals located in the reporting country	144,4	144,9	164,8	201,5	284,3
At terminals located abroad	202,7	197,9	218,0	272,1	346,2
E-money card-loading/unloading transactions	.	.	.	.	.
E-money card-payment transactions	.	.	2,7	5,1	.
<b>Transactions at terminals provided by non-resident PSPs with cards issued by resident PSPs</b>	343,2	374,4	307,0	377,1	467,8
of which:					
At terminals located in the reporting country	112,2	64,5	7,4	10,2	20,3
At terminals located abroad	231,0	309,9	299,5	366,9	447,5
of which:					
ATM cash withdrawals	45,9	55,4	53,0	54,1	58,7
ATM cash deposits	.	.	.	.	.
POS transactions <sup>3</sup>	297,3	318,7	251,5	319,0	403,5
of which:					
At terminals located in the reporting country	102,2	57,9	5,8	8,3	17,1
At terminals located abroad	195,1	260,8	245,7	310,7	386,3
E-money card-loading/unloading transactions	.	.	.	.	.
E-money card-payment transactions	.	.	.	.	4,8
<i>Memorandum items:</i>					
Cash advances at POS terminals	6,5	6,6	5,8	5,8	5,2
OTC cash withdrawals	235,5	204,8	184,3	158,3	138,9
OTC cash deposits	151,1	145,3	130,5	112,0	98,4

<sup>1</sup> Regardless of the type of card used.<sup>2</sup> Due to technical circumstances creditcards are partly not included.<sup>3</sup> The identification of the origin of the PSP results partly on the location of the terminal.

**Table 7a****Transactions per type of payment instrument<sup>1</sup>****Value of transactions***(EUR millions; total for the year)*

	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Credit transfers</b>	48.850.208	50.359.209	49.643.317	51.289.483	51.504.492
of which:					
Domestic	38.893.702	39.963.235	38.775.346	39.675.428	40.231.203
Cross-border	9.956.505	10.395.974	10.867.971	11.614.054	11.273.289
of which:					
Initiated in paper-based form	3.183.950	3.287.757	3.348.228	3.002.512	2.955.830
Initiated electronically	45.666.258	47.071.452	46.295.089	48.286.971	48.548.662
of which:					
Initiated in a file/batch	20.797.536	18.834.306	17.079.754	17.933.883	17.768.135
Initiated on a single payment basis	24.868.722	28.237.145	29.215.335	30.353.087	30.780.527
of which:					
Online banking based credit transfers <sup>2</sup>	205.016	188.737	198.438	216.617	192.272
of which:					
Non-SEPA	30.624.888	35.543.436	33.295.959	32.546.231	31.524.447
Credit transfers received from cross-border	15.164.537	15.198.719	14.804.782	15.371.631	15.490.329
<b>Direct debits</b>	3.165.763	3.573.630	3.337.241	3.313.385	3.345.755
of which:					
Domestic	2.945.828	3.230.827	3.095.593	3.025.511	3.074.517
Cross-border	219.935	342.803	241.649	287.875	271.238
of which:					
Initiated in a file/batch	2.337.902	2.689.833	2.766.709	2.908.132	2.951.959
Initiated on a single payment basis	827.861	883.797	570.532	405.253	393.797
of which:					
Non-SEPA	820.349	613.711	351.504	200.047	145.169
Payment card initiated direct debits	110.922	89.399	79.193	77.479	66.824
Direct debits received from cross-border	344.898	488.137	416.507	443.176	519.247
<b>Card payments with cards issued in the country (without transactions with cards with an e- money function)</b>	235.184	245.743	257.244	280.149	313.967
of which:					
Domestic	197.877	201.215	211.829	227.846	256.649
Cross-border	37.307	44.528	45.415	52.303	57.318
of which:					
Payments with cards with a debit function	152.220	160.497	167.131	182.451	205.662
Payments with cards with a delayed debit function	78.025	79.430	84.095	90.896	100.508
Payments with cards with a credit function	4.939	5.816	6.017	6.797	7.783
of which:					
initiated at a physical EFTPOS	204.106	215.752	218.710	235.262	261.548
initiated remotely	31.078	29.991	37.871	44.078	52.225
<b>E-money payment transactions</b>	414	512	742	795	823
of which:					
Domestic	372	427	516	537	586
Cross-border	41	85	226	258	237
of which:					
With cards on which e-money can be stored directly	162	140	146	131	122
With e-money accounts	252	371	597	664	700
of which:					
Accessed through a card	124	168	363	460	464

**Table 7a (continued)**

	2014	2015	2016	2017	2018
<b>Cheques</b>	170.468	155.028	150.969	109.133	89.322
of which:					
domestic	165.253	151.044	147.293	105.988	86.999
cross-border	5.215	3.985	3.676	3.145	2.322
Cross-border cheques received	.	.	.	.	.
<b>Total number of transactions (sent) with payment instruments<sup>3</sup></b>	53.114.643	55.032.358	54.042.672	55.590.007	55.819.623
of which:					
Cross-border transactions sent	10.220.432	10.789.458	11.161.022	11.959.794	11.606.363
Cross-border transactions received	15.510.726	15.689.749	15.223.437	15.815.970	16.010.510
<i>Memorandum items:</i>					
Payments by retailer cards with a payment function <sup>4</sup>	1.805	1.924	1.791	1.676	.
Credits to the accounts by simple book entry	9.118.567	10.702.442	10.746.382	12.365.751	11.737.090
Debits to the accounts by simple book entry	7.613.563	9.251.759	9.635.933	11.259.505	10.652.587
Money remittances	155.555	155.640	155.349	152.407	147.877
of which:					
domestic	154.127	153.555	153.264	150.289	145.695
cross-border	1.428	2.085	2.085	2.118	2.182
Cross-border remittances received	511	280	281	297	281
Transactions via telecommunication, digital or IT device	.	12	7	12	15

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

<sup>2</sup> 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).

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

<sup>4</sup> Data source: PaySys Consultancy GmbH. Data for reference period 2018 has not been available yet.

**Table 7b****Transactions per type of terminal<sup>1</sup>****Value of transactions***(EUR millions; total for the year)*

	2014	2015	2016	2017	2018
<b>Transactions at terminals provided by resident PSPs with cards issued by resident PSPs</b>	594.679	642.457	686.749	705.004	742.676
of which:					
At terminals located in the reporting country	593.021	641.331	685.508	703.620	741.070
At terminals located abroad	1.658	1.126	1.241	1.384	1.606
of which:					
ATM cash withdrawals	334.358	363.214	375.244	379.269	383.218
ATM cash deposits	92.153	105.115	121.038	135.631	148.067
POS transactions <sup>2</sup>	167.893	173.894	190.165	189.772	211.062
of which:					
At terminals located in the reporting country	166.235	172.768	188.934	188.401	209.469
At terminals located abroad	1.658	1.126	1.231	1.371	1.592
E-money card-loading/unloading transactions	199	156	124	97	80
E-money card-payment transactions	77	79	176	233	246
<b>Transactions at terminals provided by resident PSPs with cards issued by non-resident PSPs</b>	36.276	35.643	38.077	42.190	49.095
of which:					
At terminals located in the reporting country	19.312	17.995	19.758	21.348	25.184
At terminals located abroad	16.965	17.648	18.320	20.842	23.912
of which:					
ATM cash withdrawals	5.914	4.705	5.485	5.505	5.496
ATM cash deposits	.	.	.	.	.
POS transactions <sup>2</sup>	30.362	30.938	32.324	36.232	43.123
of which:					
At terminals located in the reporting country	13.398	13.290	14.185	15.700	19.461
At terminals located abroad	16.965	17.648	18.139	20.532	23.661
E-money card-loading/unloading transactions	.	.	.	.	.
E-money card-payment transactions	.	.	268	453	.
<b>Transactions at terminals provided by non-resident PSPs with cards issued by resident PSPs</b>	32.746	35.140	29.820	35.009	38.790
of which:					
At terminals located in the reporting country	7.662	3.904	423	522	931
At terminals located abroad	25.083	31.235	29.398	34.488	37.859
of which:					
ATM cash withdrawals	8.251	10.196	9.952	10.262	10.941
ATM cash deposits	.	.	.	.	.
POS transactions <sup>3</sup>	24.495	24.924	19.754	24.608	27.688
of which:					
At terminals located in the reporting country	6.123	2.953	138	273	514
At terminals located abroad	18.372	21.970	19.616	24.335	27.173
E-money card-loading/unloading transactions	.	.	.	.	.
E-money card-payment transactions	.	.	.	.	141
<i>Memorandum items:</i>					
Cash advances at POS terminals	791	851	834	892	798
OTC cash withdrawals	245.369	245.108	232.652	209.007	198.488
OTC cash deposits	291.681	297.477	265.150	235.594	218.885

<sup>1</sup> Regardless of the type of card used.<sup>2</sup> Due to technical circumstances creditcards are partly not included.<sup>3</sup> The identification of the origin of the PSP results partly on the location of the terminal.

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

	2014	2015	2016	2017	2018
<b>GERMAN TARGET COMPONENT (TARGET2)</b>					
Number of participants	944	865	989	959	941
of which:					
Direct participants <sup>1</sup>	719	719	848	816	802
of which:					
Credit institutions	712	713	842	810	796
Central banks	1	1	1	1	1
Other direct participants	6	5	5	5	5
of which:					
Clearing and settlement organisations	6	5	5	5	5
Indirect participants <sup>1</sup>	225	146	141	143	139
<b>RETAIL SYSTEM (EMZ)</b>					
Number of direct participants <sup>2</sup>	175	182	187	194	186
of which:					
Credit institutions	171	178	181	188	180
Central banks	4	4	6	6	6

<sup>1</sup> With the end of the transition period in 2013, many indirect participants decided to participate directly.

<sup>2</sup> 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)*

	2014	2015	2016	2017	2018
<b>GERMAN TARGET COMPONENT (TARGET2)</b>					
Credit transfers and direct debits sent	41,3	44,7	44,5	44,7	47,4
of which:					
Credit transfers and direct debits sent within the same TARGET component	29,6	32,3	31,6	30,5	31,9
Credit transfers and direct debits sent to another TARGET component	11,7	12,4	12,9	14,2	15,5
of which:					
Transactions sent to a euro area TARGET component	11,2	11,9	12,4	13,6	14,8
Transactions sent to a non-euro area TARGET component	0,5	0,5	0,5	0,6	0,7
Concentration ratio <sup>1</sup> (%)	49,2	52,5	51,4	51,0	48,2
<i>Memorandum item:</i>					
Credit transfers and direct debits received from another TARGET component	8,9	8,6	8,9	9,7	10,4
<b>RETAIL SYSTEM (EMZ)</b>					
Total transactions	4.075,3	3.821,9	4.274,5	4.382,1	4.766,4
of which:					
Credit transfers	1.652,7	1.364,8	1.301,7	1.322,6	1.360,7
Direct Debits	1.458,6	1.522,5	1.763,2	1.727,9	1.789,8
Card payments <sup>2</sup>	.	220,9	1.141,3	1.284,9	1.568,6
ATM transactions <sup>2</sup>	.	6,6	36,5	37,2	39,6
E-money payments <sup>2</sup>	.	0,0	0,6	0,7	0,5
Cheques	.	.	1,2	8,8	7,3
Other Payment Instruments <sup>3</sup>	964,0	707,1	29,9	.	.
Concentration ratio <sup>4</sup> (%)	38,9	35,7	34,6	40,7	36,2

<sup>1</sup> 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.

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

<sup>3</sup> 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).

<sup>4</sup> 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)*

	2014	2015	2016	2017	2018
<b>GERMAN TARGET COMPONENT (TARGET2)</b>					
Credit transfers and direct debits sent	169.145,0	204.855,2	201.111,1	187.947,6	191.859,9
of which:					
Credit transfers and direct debits sent within the same TARGET component	116.005,8	152.715,6	145.563,5	126.380,2	128.114,6
Credit transfers and direct debits sent to another TARGET component	53.139,1	52.139,6	55.547,6	61.567,4	63.745,3
of which:					
Transactions sent to a euro area TARGET component	51.220,7	50.222,9	51.948,9	58.196,9	62.043,1
Transactions sent to a non-euro area TARGET component	1.918,5	1.916,6	3.598,7	3.370,4	1.702,2
Concentration ratio <sup>1</sup> (%)	26,2	45,8	43,6	42,4	38,8
<i>Memorandum item:</i>					
Credit transfers and direct debits received from another TARGET component	52.708,5	51.716,6	54.819,5	57.482,3	63.414,6
<b>RETAIL SYSTEM (EMZ)</b>					
Total transactions	3.478,9	3.189,0	3.086,9	3.179,0	3.311,3
of which:					
Credit transfers	2.441,0	2.221,3	2.158,4	2.276,7	2.387,6
Direct Debits	813,1	791,6	746,4	748,8	772,8
Card payments <sup>2</sup>	.	14,3	67,1	73,3	84,9
ATM transactions <sup>2</sup>	.	1,2	5,8	6,1	6,5
E-money payments <sup>2</sup>	.	0,0	0,0	0,0	0,0
Cheques	.	.	10,5	74,0	59,4
Other Payment Instruments <sup>3</sup>	224,8	160,5	98,8	.	.
Concentration ratio <sup>4</sup> (%)	44,8	36,7	35,6	37,5	37,9

<sup>1</sup> 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.

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

<sup>3</sup> 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).

<sup>4</sup> 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)*

	2014	2015	2016	2017	2018
<b>Xetra</b>					
Total number of participants	186	179	195	170	169
of which:					
Number of domestic participants	86	84	93	80	77
Number of foreign participants	100	95	102	90	92
<b>Xetra Frankfurt Specialist<sup>1</sup></b>					
Total number of participants	162	155	148	129	129
of which:					
Number of domestic participants	144	136	138	120	123
Number of foreign participants	18	19	10	9	6
<b>Eurex<sup>2</sup></b>					
Total number of participants	597	609	608	511	493
of which:					
Number of domestic participants	67	60	69	49	59
Number of foreign participants	530	549	539	462	434

<sup>1</sup> 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.

<sup>2</sup> 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)*

	2014	2015	2016	2017	2018
<b>Xetra</b>					
Total number of listed securities	5,3	5,0	4,7	4,7	4,2
<b>Xetra Frankfurt Specialist</b>					
Total number of listed securities	1.412,6	1.614,7	1.618,3	1.905,8	2.139,2
of which:					
Debt securities	.	.	.	29,7	30,3
Equity	0,7	0,6	0,6	0,5	0,5
Other	1.411,9	1.614,1	1.617,7	1.875,6	2.108,3



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

	2014	2015	2016	2017	2018
<b>Xetra</b>					
Total market capitalisation / equity	1.683.513	1.781.586	1.630.413	1.888.277	1.533.495

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

	2014	2015	2016	2017	2018
<b>Xetra</b>					
Total number of executed securities trades	115.411	143.306	144.365	147.375	141.588
of which:					
Debt securities	549	455	450	354	266
Equity <sup>1</sup>	112.836	140.352	141.685	144.510	138.648
Other	2.025	2.499	2.229	2.511	2.674
<b>Xetra Frankfurt Specialist</b>					
Total number of executed securities trades	3.946	4.557	2.997	2.765	3.089
of which:					
Debt securities	58	40	34	33	32
Equity <sup>1, 2</sup>	1.634	2.144	773	838	971
Other	2.253	2.373	2.190	1.894	2.086
<b>Eurex<sup>3</sup></b>					
Total number of executed derivatives trades	1.470.061	1.140.460	1.174.512	1.328.774	1.925.224
of which:					
Financial futures	901.499	552.665	599.178	762.447	1.239.771
Financial options	568.562	587.796	575.334	566.327	685.453

<sup>1</sup> These positions contain exchange-traded funds (ETFs) and undertakings for collective investment in transferable securities (UCITS).<sup>2</sup> Since 2009, this position has contained reporting transactions.<sup>3</sup> Turnovers in Germany and Switzerland.

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

	2014	2015	2016	2017	2018
<b>Xetra</b>					
Total value of executed securities trades	1.283.405	1.636.698	1.375.049	1.463.230	1.718.805
of which:					
Debt securities	11.081	8.015	7.351	5.723	4.794
Equity <sup>1</sup>	1.253.677	1.605.961	1.349.062	1.441.191	1.698.195
Other	18.648	22.722	18.636	16.317	15.817
<b>Xetra Frankfurt Specialist</b>					
Total value of executed securities trades	110.183	132.107	133.310	102.690	60.597
of which:					
Debt securities <sup>2</sup>	8.263	6.478	4.470	3.925	3.314
Equity <sup>1, 3</sup>	81.871	102.931	110.320	81.723	37.436
Other	20.050	22.697	18.520	17.041	19.847
<b>Eurex<sup>4</sup></b>					
Total value of executed derivatives trades	92.528.158	38.473.724	33.839.368	71.690.004	125.826.604
of which:					
Financial futures	72.493.276	21.979.971	20.424.912	53.472.602	99.847.562
Financial options	20.034.882	16.493.753	13.414.456	18.217.402	25.979.043

<sup>1</sup> These positions contain exchange-traded funds (ETFs) and undertakings for collective investment in transferable securities (UCITS).<sup>2</sup> At market value, not at nominal value.<sup>3</sup> Since 2009, this position has contained reporting transactions.<sup>4</sup> Turnovers in Germany and Switzerland.**Table 16****Number of clearing members of the Central Counterparty (CCP)***(end of year)*

	2014	2015	2016	2017	2018
<b>Eurex Clearing AG</b>					
Total number of clearing members	183	186	195	190	209
of which:					
Number of domestic clearing members	63	64	63	59	70
Number of foreign clearing members	120	122	132	131	139

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

	2014	2015	2016	2017	2018
<b>Eurex Clearing AG</b>					
Total number of contracts and transactions cleared	3.171.397	3.581.518	3.689.081	3.598.890	4.147.297
of which:					
Number of securities transactions cleared	188.264	236.310	234.100	247.050	243.698
of which:					
Number of outright transactions cleared	188.019	236.147	233.987	246.942	243.566
of which:					
Debt securities	33	29	22	9	7
Equity	187.986	236.118	233.965	246.933	243.559
Number of repurchase transactions cleared	245	163	113	108	132
of which:					
Debt securities	245	163	113	108	126
Equity	0	0	0	0	6
Number of exchange-traded derivatives contracts cleared <sup>1</sup>	2.983.133	3.345.201	3.454.963	3.351.796	3.903.526
of which:					
Financial futures	1.832.760	1.992.823	2.171.957	2.098.581	2.507.699
Financial options	1.147.993	1.352.256	1.282.814	1.252.989	1.392.941
Commodity futures	2.355	120	191	213	103
Commodity options	25	2	1	13	2.783
Number of OTC-traded derivatives contracts cleared	4	7	18	44	73

<sup>1</sup> Turnovers in Germany and Switzerland.**Table 18****Value of contracts and transactions cleared***(EUR millions, total for the year)*

	2014	2015	2016	2017	2018
<b>Eurex Clearing AG</b>					
Total value of contracts and transactions cleared	217.550.014	245.756.737	236.174.814	247.913.071	281.257.273
of which:					
Value of securities transactions cleared	31.949.979	26.008.280	15.181.523	12.113.987	14.568.345
of which:					
Value of outright transactions cleared	2.990.160	3.757.445	3.097.349	3.088.490	3.269.517
of which:					
Debt securities	276.117	260.323	223.300	106.687	478
Equity	2.714.043	3.497.122	2.874.049	2.981.803	3.269.039
Value of repurchase transactions cleared	28.959.819	22.250.835	12.084.174	9.025.497	11.298.828
of which:					
Debt securities	28.953.319	22.231.185	12.084.174	9.025.497	11.298.708
Equity	6.500	19.650	0	0	120
Value of exchange-traded derivatives contracts cleared <sup>1</sup>	185.364.924	219.444.513	220.122.997	233.174.441	251.941.000
of which:					
Financial futures	145.121.882	163.694.328	175.993.901	184.205.081	199.880.063
Financial options	40.132.903	55.747.613	44.126.441	48.965.994	52.051.261
Commodity futures	109.989	2.430	2.592	3.189	2.946
Commodity options	150	142	63	177	6.730
Value of OTC-traded derivatives contracts cleared	235.111	303.944	870.294	2.624.643	14.747.928

<sup>1</sup> Turnovers in Germany and Switzerland.

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

	2014	2015	2016	2017	2018
<b>Clearstream Banking Aktiengesellschaft</b>					
Total number of participants	298	288	270	302	330
of which:					
Number of domestic participants	179	169	164	157	153
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	154	132	129	126	122
Other	22	34	32	28	28
Number of foreign participants	119	119	106	145	177
of which:					
Central banks	1	1	1	1	1
Central counterparties	0	0	0	2	2
Central securities depositories	11	10	10	10	9
Credit institutions	89	91	81	122	154
Other	18	17	14	10	11

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

	2014	2015	2016	2017	2018
<b>Clearstream Banking Aktiengesellschaft</b>					
Total number of securities held <sup>1</sup>	4.171,1	4.703,0	4.050,0	3.832,0	3.923,7

<sup>1</sup>Number of debt securities not available.**Table 21****Value of securities held on accounts at CSD***(EUR millions, end of year)*

	2014	2015	2016	2017	2018
<b>Clearstream Banking Aktiengesellschaft</b>					
Total value of securities held	7.573.773	7.806.765	7.719.215	8.275.940	8.777.554
of which:					
Debt securities	3.670.600	3.598.302	3.546.430	3.586.016	4.415.536
of which:					
Short-term paper	112.302	106.851	104.311	89.306	172.279
Bonds	3.558.298	3.491.451	3.442.119	3.496.710	4.243.257
Equity	1.778.122	1.803.888	1.898.204	2.210.847	1.925.011
Other	2.125.052	2.404.575	2.274.581	2.479.077	2.437.007

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

	2014	2015	2016	2017	2018
<b>Clearstream Banking Aktiengesellschaft</b>					
Total number of delivery instructions	55.332	61.174	56.050	59.525	63.261
of which:					
Delivery versus payment	43.458	49.011	44.688	47.677	51.508
of which:					
Debt securities	4.167	3.692	2.707	2.907	2.826
of which:					
Short-term paper	391	385	328	323	297
Bonds	3.775	3.307	2.379	2.584	2.529
Equity	25.166	27.802	26.800	30.319	31.962
Other	14.125	17.518	15.181	14.451	16.720
Free of payment	11.874	12.163	11.362	11.848	11.753
of which:					
Debt securities	3.334	2.891	1.855	1.522	1.729
of which:					
Short-term paper	145	131	118	118	138
Bonds	3.189	2.760	1.737	1.404	1.591
Equity	7.779	8.636	8.807	9.154	9.107
Other	760	636	700	1.172	917

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

	2014	2015	2016	2017	2018
<b>Clearstream Banking Aktiengesellschaft</b>					
Total value of delivery instructions	79.739.646	66.724.522	46.578.296	45.296.911	50.250.297
of which:					
Delivery versus payment	31.282.778	23.851.750	16.223.034	18.547.708	21.437.989
of which:					
Debt securities	25.833.820	16.787.307	10.780.902	12.729.675	15.038.303
of which:					
Short-term paper	1.528.952	1.453.477	1.237.324	975.532	1.465.373
Bonds	24.304.868	15.333.830	9.543.578	11.754.143	13.572.930
Equity	5.281.164	6.863.479	5.275.977	5.660.004	6.221.673
Other	167.794	200.957	166.155	158.029	178.013
Free of payment	48.456.868	42.872.772	30.355.262	26.749.203	28.812.308
of which:					
Debt securities	42.237.033	35.903.692	25.506.653	20.692.932	22.430.869
of which:					
Short-term paper	1.512.361	1.153.604	1.044.463	907.105	1.962.804
Bonds	40.724.672	34.750.089	24.462.190	19.785.827	20.468.065
Equity	6.079.410	6.834.043	4.804.281	5.948.089	6.286.940
Other	140.425	135.037	44.328	108.182	94.499