

Foreign exchange and derivatives turnover of banks in Germany in April 2007, April 2010, April 2013 and April 2016

Adjusted results (= excluding double counting of transactions between domestic reporting institutions)

USD billion (nominal values)*

Type of transaction	Composition by counterparty												Total turnover				Turnover on a daily average**				
	Reporting banks				Other banks / financial institutions				Customers												
	2007	2010	2013	2016	2007	2010	2013	2016	2007	2010	2013	2016	2007	2010	2013	2016	2007	2010	2013	2016	
Forex trading turnover																					
Spot transactions	343	428	378	378	88	141	113	86	35	33	17	18	466	602	508	482	25	30	24	23	
Outright forwards	337	29	33	37	48	108	27	43	45	25	24	38	430	162	84	118	23	8	4	6	
Foreign exchange swaps	692	787	1185	1245	220	412	414	453	68	78	63	92	980	1277	1662	1790	52	64	79	85	
Currency swaps	3	18	11	19	1	6	6	7	0	2	2	4	4	26	19	30	0	1	1	1	
Forex options	23	61	35	10	15	21	18	10	9	22	3	3	47	104	56	23	2	5	3	1	
Forex trading turnover, total	1398	1323	1642	1689	372	688	578	599	157	160	109	155	1927	2171	2329	2443	101	109	111	116	
<i>of which: turnover with foreign counterparties</i>	1252	1180	1500	1596	274	528	474	451	76	85	29	46	1602	1793	2003	2093	84	90	95	100	
EUR against USD	590	581	660	711	167	301	260	302	85	79	51	71	842	961	971	1084	44	48	46	52	
EUR against other currencies	249	228	256	198	63	146	107	76	51	44	44	69	363	418	407	343	19	21	19	16	
USD against other currencies	525	487	673	699	137	226	199	209	17	31	11	14	679	744	883	922	36	37	42	44	
Remaining currencies	33	26	53	81	5	16	12	13	4	6	3	1	42	48	68	95	2	2	3	5	
Turnover in interest-related derivatives (OTC)																					
Interest rate swaps	999	496	235	136	189	118	240	160	16	17	7	82	1204	631	482	378	63	32	23	18	
Interest rate options	26	25	20	15	8	7	4	3	4	4	1	2	38	36	25	20	2	2	1	1	
Forward rate agreements	235	252	163	73	234	46	1455	115	4	4	3	72	473	302	1621	260	25	15	77	12	
Interest-related derivatives, total	1260	773	418	224	431	171	1699	278	24	25	11	157	1715	969	2128	659	90	48	101	31	
<i>of which: turnover with foreign counterparties</i>	1023	663	386	197	319	138	1661	265	2	10	4	141	1344	811	2051	603	71	41	98	29	

* The euro exchange rate against the US dollar averaged US\$1.3516 in April 2007, US\$1.3406 in April 2010, US\$1.3026 in April 2013 and US\$1.1339 in April 2016.

** 2007 19 business days, 2010 20 business days, 2013 21 business days, 2016 21 business days.