

Foreign exchange and derivatives turnover of banks in Germany in April 2004, April 2007, April 2010 and April 2013

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												
	2004	2007	2010	2013	2004	2007	2010	2013	2004	2007	2010	2013	2004	2007	2010	2013	2004	2007	2010	2013	
Forex trading turnover																					
Spot transactions	499	343	428	378	159	88	141	113	60	35	33	17	718	466	602	508	36	25	30	24	
Outright forwards	156	337	29	33	37	48	108	27	42	45	25	24	235	430	162	84	12	23	8	4	
Foreign exchange swaps	1109	692	787	1185	232	220	412	414	58	68	78	63	1399	980	1277	1662	70	52	64	79	
Currency swaps	1	3	18	11	1	1	6	6	1	0	2	2	3	4	26	19	0	0	1	1	
Forex options	35	23	61	35	14	15	21	18	6	9	22	3	55	47	104	56	3	2	5	3	
Forex trading turnover, total	1800	1398	1323	1642	443	372	688	578	167	157	160	109	2410	1927	2171	2329	121	101	109	111	
<i>of which: turnover with foreign counterparties</i>	1694	1252	1180	1500	395	274	528	474	92	76	85	29	2181	1602	1793	2003	109	84	90	95	
EUR against USD	720	590	581	660	174	167	301	260	80	85	79	51	974	842	961	971	49	44	48	46	
EUR against other currencies	259	249	228	256	79	63	146	107	39	51	44	44	377	363	418	407	19	19	21	19	
USD against other currencies	748	525	487	673	174	137	226	199	38	17	31	11	960	679	744	883	48	36	37	42	
Remaining currencies	74	33	26	53	14	5	16	12	10	4	6	3	98	42	48	68	5	2	2	3	
Turnover in interest-related derivatives (OTC)																					
Interest rate swaps	416	999	496	235	189	189	118	240	12	16	17	7	617	1204	631	482	31	63	32	23	
Interest rate options	24	26	25	20	17	8	7	4	3	4	4	1	44	38	36	25	2	2	2	1	
Forward rate agreements	118	235	252	163	75	234	46	1455	1	4	4	3	194	473	302	1621	10	25	15	77	
Interest-related derivatives, total	558	1260	773	418	281	431	171	1699	16	24	25	11	855	1715	969	2128	43	90	48	101	
<i>of which: turnover with foreign counterparties</i>	477	1023	663	386	166	319	138	1661	3	2	10	4	646	1344	811	2051	32	71	41	98	

* The euro exchange rate against the US dollar averaged US\$1.1985 in April 2004, US\$1.3516 in April 2007, US\$1.3406 in April 2010 and US\$1.3026 in April 2013.

** 2004 20 business days, 2007 19 business days, 2010 20 business days, 2013 21 business days.