

Foreign exchange and derivatives turnover of banks in Germany in April 2013, April 2016, April 2019 and April 2022

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												
	2013	2016	2019	2022	2013	2016	2019	2022	2013	2016	2019	2022	2013	2016	2019	2022	2013	2016	2019	2022	
<b>Forex trading turnover</b>																					
Spot transactions	378	378	254	574	113	86	68	103	17	18	56	49	508	482	378	726	24	23	19	38	
Outright forwards	33	37	57	115	27	43	34	84	24	38	49	69	84	118	140	268	4	6	7	14	
Foreign exchange swaps	1185	1245	1345	1718	414	453	437	504	63	92	133	194	1662	1790	1915	2416	79	85	96	127	
Currency swaps	11	19	21	14	6	7	1	13	2	4	1	1	19	30	23	28	1	1	1	1	
Forex options	35	10	21	22	18	10	7	25	3	3	6	10	56	23	34	57	3	1	2	3	
Forex trading turnover, total	1642	1689	1698	2443	578	599	547	729	109	155	245	323	2329	2443	2490	3495	111	116	125	184	
<i>of which: turnover with foreign counterparties</i>	1500	1596	1600	2289	474	451	429	577	29	46	63	145	2003	2093	2092	3011	95	100	105	158	
EUR against USD	660	711	767	1134	260	302	298	368	51	71	106	140	971	1084	1171	1642	46	52	59	86	
EUR against other currencies	256	198	364	494	107	76	109	190	44	69	121	141	407	343	594	825	19	16	30	43	
USD against other currencies	673	699	503	770	199	209	131	158	11	14	15	35	883	922	649	963	42	44	32	51	
Remaining currencies	53	81	64	45	12	13	9	13	3	1	3	6	68	95	76	64	3	5	4	3	
<b>Turnover in interest-related derivatives (OTC)</b>																					
Interest rate swaps	235	136	211	292	240	160	246	3712	7	82	39	41	482	378	496	4045	23	18	25	213	
Interest rate options	20	15	7	47	4	3	2	33	1	2	8	1	25	20	17	81	1	1	1	4	
Forward rate agreements	163	73	168	599	1455	115	439	459	3	72	0	1	1621	260	607	1059	77	12	30	56	
Interest-related derivatives, total	418	224	386	938	1699	278	687	4204	11	157	47	43	2128	659	1120	5185	101	31	56	273	
<i>of which: turnover with foreign counterparties</i>	386	197	325	625	1661	265	665	4022	4	141	43	11	2051	603	1033	4658	98	29	52	245	

\* The euro exchange rate against the US dollar averaged US\$1.3026 in April 2013, US\$1.1339 in April 2016, US\$1.1238 in April 2019 and US\$1.0819 in April 2022

\*\* 2013 21 business days, 2016 21 business days, 2019 20 business days, 2022 19 business days