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Regional distribution of R&D expenditure in the Federal Republic of Germany (implementation) and of government R&D expenditure by the Länder (financing)

Land	Year	Implementation of R&D			Financing of R&D			Per capita of the population ² €
		Expenditure		Share of gross domestic product ¹	Expenditure		Share of gross domestic product ¹	
		Millions of €	in %	in %	Millions of €	in %	in %	
Baden-Württemberg	2010	17,049	24.4	4.43	1,401	14.4	0.36	130
	2011	19,472	25.8	4.80	1,485	14.5	0.37	141
	2012	20,335	25.7	4.92	1,470	14.5	0.36	139
	2013	20,204	25.3	4.76	1,391	13.7	0.33	131
	2014	21,469	25.5	4.87	1,542	14.1	0.35	144
	2015	22,733	25.6	4.90	1,652	14.6	0.36	152
	2016	23,451	25.4	4.93	1,725	13.9	0.36	157
Bavaria	2010	13,622	19.5	3.03	1,639	16.8	0.36	131
	2011	14,418	19.1	3.00	1,710	16.7	0.36	137
	2012	15,306	19.3	3.10	1,623	16.0	0.33	130
	2013	15,942	20.0	3.13	1,683	16.5	0.33	133
	2014	16,701	19.8	3.15	1,853	16.9	0.35	146
	2015	17,359	19.6	3.14	1,898	16.7	0.34	148
	2016	18,059	19.6	3.12	2,013	16.3	0.35	156
Berlin	2010	3,541	5.1	3.43	582	6.0	0.56	168
	2011	3,609	4.8	3.34	585	5.7	0.54	176
	2012	3,774	4.8	3.43	592	5.8	0.54	175
	2013	4,021	5.0	3.57	588	5.8	0.52	172
	2014	4,281	5.1	3.63	690	6.3	0.58	199
	2015	4,411	5.0	3.52	725	6.4	0.58	206
	2016	4,552	4.9	3.41	811	6.6	0.61	227
Brandenburg	2010	796	1.1	1.42	196	2.0	0.35	78
	2011	955	1.3	1.65	203	2.0	0.35	83
	2012	975	1.2	1.65	210	2.1	0.36	86
	2013	937	1.2	1.54	230	2.3	0.38	94
	2014	1,006	1.2	1.57	239	2.2	0.37	97
	2015	1,092	1.2	1.65	234	2.1	0.35	94
	2016	1,159	1.3	1.69	273	2.2	0.40	109
Bremen	2010	705	1.0	2.64	117	1.2	0.44	176
	2011	752	1.0	2.72	127	1.2	0.46	194
	2012	755	1.0	2.62	124	1.2	0.43	190
	2013	793	1.0	2.72	133	1.3	0.46	203
	2014	852	1.0	2.83	140	1.3	0.46	211
	2015	873	1.0	2.81	140	1.2	0.45	209
	2016	912	1.0	2.87	149	1.2	0.47	220
Hamburg	2010	1,972	2.8	2.09	352	3.6	0.37	197
	2011	2,100	2.8	2.19	349	3.4	0.36	203
	2012	2,198	2.8	2.24	360	3.5	0.37	207
	2013	2,308	2.9	2.26	350	3.4	0.34	200
	2014	2,453	2.9	2.34	351	3.2	0.33	199
	2015	2,423	2.7	2.20	338	3.0	0.31	189
	2016	2,513	2.7	2.25	374	3.0	0.34	207
Hesse	2010	6,775	9.7	2.98	658	6.7	0.29	108
	2011	6,832	9.0	2.90	739	7.2	0.31	123
	2012	7,174	9.1	3.01	738	7.3	0.31	123
	2013	6,865	8.6	2.82	699	6.9	0.29	116
	2014	7,314	8.7	2.88	731	6.7	0.29	120
	2015	7,403	8.3	2.83	824	7.3	0.31	133
	2016	7,752	8.4	2.84	938	7.6	0.34	151

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		Millions of €	in %	in %	Millions of €	in %	in %	
Mecklenburg-Western Pomerania	2010	689	1.0	1.97	195	2.0	0.56	119
	2011	743	1.0	2.05	213	2.1	0.59	132
	2012	770	1.0	2.10	242	2.4	0.66	151
	2013	683	0.9	1.79	215	2.1	0.56	134
	2014	732	0.9	1.85	208	1.9	0.53	130
	2015	753	0.8	1.86	206	1.8	0.51	128
	2016	759	0.8	1.83	216	1.7	0.52	134
Lower Saxony	2010	5,723	8.2	2.57	860	8.8	0.39	109
	2011	6,469	8.6	2.74	879	8.6	0.37	113
	2012	6,746	8.5	2.79	874	8.6	0.36	112
	2013	7,009	8.8	2.85	934	9.2	0.38	120
	2014	7,363	8.7	2.87	957	8.7	0.37	122
	2015	8,867	10.0	3.42	993	8.8	0.38	125
	2016	9,156	9.9	3.28	1,095	8.8	0.39	138
North Rhine-Westphalia	2010	11,004	15.7	1.94	1,886	19.4	0.33	106
	2011	11,556	15.3	1.96	2,026	19.8	0.34	115
	2012	12,189	15.4	2.04	2,034	20.1	0.34	116
	2013	11,761	14.8	1.93	2,097	20.6	0.34	119
	2014	12,555	14.9	1.99	2,302	21.0	0.37	131
	2015	12,689	14.3	1.96	2,345	20.7	0.36	131
	2016	13,231	14.4	1.99	2,597	21.0	0.39	145
Rhineland-Palatinate	2010	2,303	3.3	2.01	436	4.5	0.38	109
	2011	2,387	3.2	2.00	462	4.5	0.39	116
	2012	2,465	3.1	2.01	437	4.3	0.36	109
	2013	2,655	3.3	2.12	433	4.2	0.35	108
	2014	2,759	3.3	2.12	435	4.0	0.33	108
	2015	3,188	3.6	2.33	451	4.0	0.33	111
	2016	3,374	3.7	2.41	502	4.1	0.36	123
Saarland	2010	391	0.6	1.29	96	1.0	0.32	94
	2011	472	0.6	1.47	123	1.2	0.38	123
	2012	470	0.6	1.46	129	1.3	0.40	129
	2013	462	0.6	1.45	112	1.1	0.35	113
	2014	472	0.6	1.41	113	1.0	0.34	115
	2015	535	0.6	1.56	148	1.3	0.43	149
	2016	534	0.6	1.54	143	1.2	0.41	144
Saxony	2010	2,642	3.8	2.78	534	5.5	0.56	129
	2011	2,787	3.7	2.80	526	5.1	0.53	130
	2012	2,838	3.6	2.80	528	5.2	0.52	130
	2013	2,872	3.6	2.76	559	5.5	0.54	138
	2014	2,891	3.4	2.64	581	5.3	0.53	143
	2015	3,099	3.5	2.72	571	5.0	0.50	140
	2016	3,203	3.5	2.70	638	5.2	0.54	156
Saxony-Anhalt	2010	720	1.0	1.40	273	2.8	0.53	117
	2011	770	1.0	1.48	275	2.7	0.53	121
	2012	758	1.0	1.40	254	2.5	0.47	112
	2013	780	1.0	1.41	259	2.5	0.47	115
	2014	816	1.0	1.44	283	2.6	0.50	127
	2015	810	0.9	1.39	288	2.5	0.50	128
	2016	860	0.9	1.44	310	2.5	0.52	139

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Schleswig-Holstein	2010	961	1.4	1.30	232	2.4	0.31	82
	2011	1,080	1.4	1.41	250	2.4	0.33	89
	2012	1,140	1.4	1.43	247	2.4	0.31	88
	2013	1,198	1.5	1.47	221	2.2	0.27	78
	2014	1,287	1.5	1.53	243	2.2	0.29	86
	2015	1,277	1.4	1.48	252	2.2	0.29	88
	2016	1,342	1.5	1.50	293	2.4	0.33	102
Thuringia	2010	1,041	1.5	2.16	290	3.0	0.60	130
	2011	1,082	1.4	2.12	288	2.8	0.57	132
	2012	1,130	1.4	2.19	285	2.8	0.55	131
	2013	1,158	1.5	2.16	289	2.8	0.54	134
	2014	1,195	1.4	2.11	276	2.5	0.49	128
	2015	1,183	1.3	2.02	279	2.5	0.48	128
	2016	1,225	1.3	2.04	302	2.4	0.50	140
Länder, total³	2010	70,014	100.0	2.71	9,746	100.0	0.38	119
	2011	75,569	100.0	2.80	10,238	100.0	0.38	127
	2012	79,110	100.0	2.87	10,146	100.0	0.37	126
	2013	79,729	100.0	2.82	10,191	100.0	0.36	126
	2014	84,246	100.0	2.87	10,945	100.0	0.37	135
	2015	88,782	100.0	2.91	11,345	100.0	0.37	138
	2016	92,174	100.0	2.92	12,379	100.0	0.39	150

1 Date of GDP calculations: August 2018/February 2019.

2 Reference day of population data: 31 December. As of 2011, population data are based upon Census 2011.

3 Including non-apportionable funds.

Last update: April 2019

Source: Special evaluation of the Stifterverband Wissenschaftsstatistik and the Federal Ministry of Education and Research, (special evaluation and GENESIS-Online Datenbank: Fortschreibung des Bevölkerungsstandes); Working group "Regional Accounts", "Reihe 1, Länderergebnisse Band 1"; calculations of the German Centre for Higher Education Research and Science Studies

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<https://www.govdata.de/dl-de/by-nc-1-0>