

■ Table 1.1.11 1 / 3

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	2011	19,472	25.8	4.80	1,485	14.5	0.37	141
	2012	20,335	25.7	4.90	1,470	14.5	0.35	139
	2013	20,204	25.3	4.75	1,391	13.7	0.33	131
	2014	21,469	25.5	4.85	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
	2017	27,910	28.0	5.64	1,744	13.7	0.35	158
Bavaria	2011	14,418	19.1	2.98	1,710	16.7	0.35	137
	2012	15,306	19.3	3.08	1,623	16.0	0.33	130
	2013	15,942	20.0	3.11	1,683	16.5	0.33	133
	2014	16,701	19.8	3.13	1,853	16.9	0.35	146
	2015	17,359	19.6	3.13	1,898	16.7	0.34	148
	2016	18,059	19.6	3.13	2,013	16.3	0.35	156
	2017	18,704	18.8	3.11	2,060	16.2	0.34	159
Berlin	2011	3,609	4.8	3.34	585	5.7	0.54	176
	2012	3,774	4.8	3.44	592	5.8	0.54	175
	2013	4,021	5.0	3.56	588	5.8	0.52	172
	2014	4,281	5.1	3.61	690	6.3	0.58	199
	2015	4,411	5.0	3.53	725	6.4	0.58	206
	2016	4,552	4.9	3.42	811	6.6	0.61	227
	2017	4,758	4.8	3.42	774	6.1	0.56	214
Brandenburg	2011	955	1.3	1.66	203	2.0	0.35	83
	2012	975	1.2	1.65	210	2.1	0.36	86
	2013	937	1.2	1.55	230	2.3	0.38	94
	2014	1,006	1.2	1.58	239	2.2	0.37	97
	2015	1,092	1.2	1.67	234	2.1	0.36	94
	2016	1,159	1.3	1.73	273	2.2	0.41	109
	2017	1,195	1.2	1.71	281	2.2	0.40	112
Bremen	2011	752	1.0	2.76	127	1.2	0.46	194
	2012	755	1.0	2.65	124	1.2	0.44	190
	2013	793	1.0	2.75	133	1.3	0.46	203
	2014	852	1.0	2.86	140	1.3	0.47	211
	2015	873	1.0	2.86	140	1.2	0.46	209
	2016	912	1.0	2.90	149	1.2	0.47	220
	2017	909	0.9	2.82	144	1.1	0.45	211
Hamburg	2011	2,100	2.8	2.22	349	3.4	0.37	203
	2012	2,198	2.8	2.27	360	3.5	0.37	207
	2013	2,308	2.9	2.28	350	3.4	0.35	200
	2014	2,453	2.9	2.37	351	3.2	0.34	199
	2015	2,423	2.7	2.24	338	3.0	0.31	189
	2016	2,513	2.7	2.27	374	3.0	0.34	207
	2017	2,500	2.5	2.17	368	2.9	0.32	201
Hesse	2011	6,832	9.0	2.88	739	7.2	0.31	123
	2012	7,174	9.1	3.02	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	2.84	824	7.3	0.32	133
	2016	7,752	8.4	2.85	938	7.6	0.35	151
	2017	8,182	8.2	2.94	913	7.2	0.33	146

■ Table 1.1.11 2 / 3

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 %	
Mecklenburg-Western Pomerania	2011	743	1.0	2.05	213	2.1	0.59	132
	2012	770	1.0	2.11	242	2.4	0.66	151
	2013	683	0.9	1.81	215	2.1	0.57	134
	2014	732	0.9	1.86	208	1.9	0.53	130
	2015	753	0.8	1.87	206	1.8	0.51	128
	2016	759	0.8	1.85	216	1.7	0.53	134
	2017	785	0.8	1.79	222	1.7	0.51	138
Lower Saxony	2011	6,469	8.6	2.70	879	8.6	0.37	113
	2012	6,746	8.5	2.76	874	8.6	0.36	112
	2013	7,009	8.8	2.83	934	9.2	0.38	120
	2014	7,363	8.7	2.84	957	8.7	0.37	122
	2015	8,867	10.0	3.39	993	8.8	0.38	125
	2016	9,156	9.9	3.27	1,095	8.8	0.39	138
	2017	8,928	9.0	3.12	1,193	9.4	0.42	150
North Rhine-Westphalia	2011	11,556	15.3	2.00	2,026	19.8	0.35	115
	2012	12,189	15.4	2.09	2,034	20.1	0.35	116
	2013	11,761	14.8	1.98	2,097	20.6	0.35	119
	2014	12,555	14.9	2.03	2,302	21.0	0.37	131
	2015	12,689	14.3	1.99	2,345	20.7	0.37	131
	2016	13,231	14.4	2.03	2,597	21.0	0.40	145
	2017	14,336	14.4	2.13	2,704	21.3	0.40	151
Rhineland-Palatinate	2011	2,387	3.2	2.03	462	4.5	0.39	116
	2012	2,465	3.1	2.05	437	4.3	0.36	109
	2013	2,655	3.3	2.16	433	4.2	0.35	108
	2014	2,759	3.3	2.16	435	4.0	0.34	108
	2015	3,188	3.6	2.39	451	4.0	0.34	111
	2016	3,374	3.7	2.47	502	4.1	0.37	123
	2017	3,498	3.5	2.50	529	4.2	0.38	130
Saarland	2011	472	0.6	1.48	123	1.2	0.39	123
	2012	470	0.6	1.47	129	1.3	0.40	129
	2013	462	0.6	1.46	112	1.1	0.35	113
	2014	472	0.6	1.42	113	1.0	0.34	115
	2015	535	0.6	1.57	148	1.3	0.43	149
	2016	534	0.6	1.56	143	1.2	0.42	144
	2017	619	0.6	1.76	148	1.2	0.42	149
Saxony	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	2.73	571	5.0	0.50	140
	2016	3,203	3.5	2.74	638	5.2	0.54	156
	2017	3,400	3.4	2.81	678	5.3	0.56	166
Saxony-Anhalt	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	1.42	259	2.5	0.47	115
	2014	816	1.0	1.45	283	2.6	0.50	127
	2015	810	0.9	1.41	288	2.5	0.50	128
	2016	860	0.9	1.46	310	2.5	0.53	139
	2017	919	0.9	1.52	345	2.7	0.57	155

■ Table 1.1.11 3 / 3

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 %	
Schleswig-Holstein	2011	1,080	1.4	1.42	250	2.4	0.33	89
	2012	1,140	1.4	1.45	247	2.4	0.31	88
	2013	1,198	1.5	1.50	221	2.2	0.28	78
	2014	1,287	1.5	1.55	243	2.2	0.29	86
	2015	1,277	1.4	1.50	252	2.2	0.30	88
	2016	1,342	1.5	1.53	293	2.4	0.33	102
	2017	1,448	1.5	1.58	298	2.3	0.32	103
Thuringia	2011	1,082	1.4	2.14	288	2.8	0.57	132
	2012	1,130	1.4	2.20	285	2.8	0.55	131
	2013	1,158	1.5	2.17	289	2.8	0.54	134
	2014	1,195	1.4	2.13	276	2.5	0.49	128
	2015	1,183	1.3	2.05	279	2.5	0.48	128
	2016	1,225	1.3	2.07	302	2.4	0.51	140
	2017	1,362	1.4	2.23	318	2.5	0.52	148
Länder, total³	2011	75,569	100.0	2.81	10,238	100.0	0.38	127
	2012	79,110	100.0	2.88	10,146	100.0	0.37	126
	2013	79,729	100.0	2.84	10,191	100.0	0.36	126
	2014	84,246	100.0	2.88	10,945	100.0	0.37	135
	2015	88,782	100.0	2.93	11,345	100.0	0.37	138
	2016	92,174	100.0	2.94	12,379	100.0	0.39	150
	2017	99,554	100.0	3.07	12,719	100.0	0.39	154

1 Date of GDP calculations: August 2019/February 2020.

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

3 Including non-apportionable funds.

Last update: April 2020

Source: Special evaluation of the Stifterverband Wissenschaftsstatistik and the Federal Ministry of Education and Research, Federal Statistical Office (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

This work is licensed under a Data licence Germany attribution non-commercial 1.0.

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