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**Gross domestic expenditure on research and development, by funding and performing sectors in selected OECD countries**

Country	Year <sup>1</sup>	R&D expenditure		Financed by			Performed by			
		Millions of US-\$ <sup>2</sup>	Share of GDP in %	Business enterprise sector	Government sector	Other national sources and abroad	Business enterprise sector	Government sector	Higher education sector <sup>3</sup>	PNP sector <sup>4</sup>
Germany <sup>5</sup>	2013	102,905.5	2.82	65.4	29.1	5.5	67.2	14.9	17.9	-
	2014	109,562.7	2.87	66.0	28.7	5.3	67.7	14.6	17.7	-
	2015	114,128.2	2.91	65.6	27.9	6.5	68.7	14.1	17.3	-
	2016	119,921.3	2.92	65.2	28.5	6.3	68.2	13.8	18.0	-
	2017	132,004.4	3.04	66.2	27.7	6.1	69.1	13.5	17.4	-
Finland	2013	7,382.8	3.29	60.8	26.0	13.1	68.9	8.9	21.5	0.7
	2014	7,178.2	3.17	53.5	27.5	19.0	67.7	8.6	22.9	0.8
	2015	6,689.7	2.89	54.8	28.9	16.4	66.7	8.2	24.4	0.8
	2016	6,590.8	2.74	57.0	28.9	14.1	65.8	8.2	25.1	0.9
	2017	7,038.5	2.76	58.0	29.1	12.9	65.3	8.5	25.4	0.8
France	2013	58,353.3	2.24	55.1	35.3	9.6	64.6	13.1	20.9	1.5
	2014	60,585.6	2.28	54.5	34.3	11.1	63.6	12.7	22.1	1.5
	2015	61,645.7	2.27	54.0	34.8	11.2	63.7	12.8	22.0	1.5
	2016	62,329.5	2.22	55.6	32.8	11.6	65.0	12.7	20.7	1.6
	2017	64,672.1	2.19	-	-	-	65.0	12.7	20.7	1.7
Italy	2013	28,459.4	1.31	45.2	41.4	13.4	54.7	14.0	28.3	3.0
	2014	29,448.3	1.34	47.3	39.7	13.0	56.7	13.6	26.7	3.0
	2015	30,002.9	1.34	50.0	38.0	12.0	58.2	13.1	25.5	3.2
	2016	32,460.2	1.37	52.1	35.2	12.7	60.8	12.6	24.2	2.5
	2017	33,542.9	1.35	-	-	-	61.4	12.7	24.2	1.7
Sweden <sup>6</sup>	2013	14,496.4	3.30	61.0	28.3	10.8	68.9	3.7	27.1	0.2
	2014	14,191.1	3.14	-	-	-	67.0	3.7	29.0	0.2
	2015	15,493.2	3.26	57.3	-	4.3	69.7	3.4	26.7	0.2
	2016	15,923.3	3.27	-	-	-	69.6	3.4	26.8	0.2
	2017	17,561.7	3.40	60.8	25.0	14.1	71.3	3.6	24.9	0.1
United Kingdom	2013	41,532.1	1.64	46.2	29.1	24.7	63.9	7.9	26.4	1.8
	2014	43,811.1	1.66	48.0	28.4	23.6	65.1	7.3	25.8	1.8
	2015	45,678.2	1.67	49.0	27.7	23.4	66.0	6.6	25.3	2.0
	2016	47,420.7	1.68	51.8	26.3	22.0	67.1	6.6	24.3	2.1
	2017	49,345.3	1.66	-	-	-	67.6	6.5	23.7	2.2

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**Gross domestic expenditure on research and development, by funding and performing sectors in selected OECD countries**

Country	Year <sup>1</sup>	R&D expenditure		Financed by			Performed by			
		Millions of US-\$ <sup>2</sup>	Share of GDP in %	Business enterprise sector	Government sector	Other national sources and abroad	Business enterprise sector	Government sector	Higher education sector <sup>3</sup>	PNP sector <sup>4</sup>
Share in %										
Japan	2013	164,655.8	3.31	75.5	17.3	7.2	76.1	9.2	13.5	1.3
	2014	169,554.1	3.40	77.3	16.0	6.7	77.8	8.3	12.6	1.3
	2015	168,546.1	3.28	78.0	15.4	6.6	78.5	7.9	12.3	1.3
	2016	164,758.2	3.16	78.1	15.0	6.9	78.8	7.5	12.3	1.4
	2017	170,900.7	3.21	78.3	15.0	6.7	78.8	7.8	12.0	1.4
Canada <sup>7</sup>	2013	26,504.1	1.71	46.7	33.8	19.5	51.2	8.9	39.5	0.5
	2014	27,793.5	1.71	45.8	32.1	21.8	53.2	8.6	37.7	0.4
	2015	27,005.5	1.69	44.0	31.6	23.8	53.3	7.0	39.3	0.5
	2016	27,586.7	1.69	42.2	31.3	26.5	52.6	6.8	40.2	0.5
	2017	27,162.8	1.59	40.9	31.9	27.2	51.8	6.8	41.1	0.4
United States <sup>8</sup>	2013	454,821.0	2.71	61.1	27.5	11.3	70.9	11.5	13.5	4.0
	2014	476,452.0	2.72	62.0	25.9	12.1	71.5	11.4	13.1	4.0
	2015	495,098.0	2.72	62.5	25.3	12.2	71.9	11.0	13.1	4.0
	2016	516,254.0	2.76	63.2	23.6	13.2	72.6	10.2	13.1	4.1
	2017	543,249.0	2.79	63.6	22.8	13.6	73.1	9.7	13.0	4.1

1 Some figures are revised, provisional, estimated or only partly comparable with figures from previous years or include other sectors (see original edition of "Main Science and Technology Indicators 2019/1").

2 Nominal expenditures converted into US dollar purchasing power parities.

3 Including general funding for higher education research.

4 PNP: private non-profit institutions.

5 The PNP sector is included in the performance data of the government sector.

6 2015 data on GERD financed by foreign sources can not be shown because they are considered confidential.

7 Until 2014, share of performance by the business enterprise sector: definition differs.

8 Excludes most or all capital expenditure (included in the government sector only).

Last update: September 2019

This table also appears in the Federal Report on Research and Innovation as Table 36.

Source: OECD (Main Science and Technology Indicators 2019/1) and 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>