

TABLE 4-17

## Government R&amp;D support by major socioeconomic objectives, for selected countries or regions: Selected years, 2000–17

(Millions of U.S. dollars and percent)

Country or region	Year	GBARD (current PPP US\$millions)	Percentage of GBARD		Percentage of nondefense					
			Defense	Nondefense	Economic development programs	Health and environment	Education and society	Civil space	Non-oriented research	General university funds
United States	2000	72,681.0	44.4	55.6	13.4	49.9	1.8	20.9	13.8	na
	2010	119,382.0	46.7	53.3	12.5	56.1	1.6	12.9	16.9	na
	2017	127,306.0	43.6	56.5	11.9	55.7	2.5	14.2	15.7	na
EU	2000	76,676.6	12.6	87.4	22.4	11.6	3.5	6.0	17.8	35.0
	2010	116,371.3	6.5	93.5	22.2	14.1	6.4	5.4	18.2	33.2
	2017	135,160.6	4.7	95.3	22.2	14.0	4.8	4.2	18.0	35.7
France	2000	14,880.1	21.4	78.6	17.7	9.7	1.1	13.2	27.4	28.5
	2010	19,141.6	14.7	85.3	21.1	12.6	5.3	12.7	19.6	27.0
	2017	19,015.4	7.5	92.5	23.3	10.2	2.4	4.5	25.5	25.7
Germany	2000	17,234.0	7.8	92.2	21.6	9.4	3.9	5.1	17.5	42.4
	2010	28,587.1	5.0	95.0	24.4	9.2	4.4	5.0	17.0	40.6
	2017	39,992.1	3.8	96.2	21.7	9.9	4.6	4.8	16.7	42.4
United Kingdom	2000	9,492.2	35.7	64.4	14.2	27.7	6.3	3.4	18.3	29.7
	2010	13,315.8	18.2	81.8	8.5	32.3	5.0	2.1	22.0	30.1
	2017	15,700.2	15.2	84.8	22.4	34.1	5.0	1.6	12.6	24.3
Japan	2000	21,227.8	4.1	95.9	33.4	6.6	1.0	5.8	14.6	37.0
	2010	32,140.4	4.8	95.2	27.6	7.4	0.9	7.1	21.0	35.9
	2017	34,027.7	3.5	96.5	26.0	8.0	0.6	6.4	22.0	37.1
South Korea	2000	5,017.8	20.5	79.5	53.4	14.8	3.8	3.1	24.9	**
	2010	16,293.9	13.3	86.7	52.1	13.7	2.4	2.7	29.1	**
	2017	22,519.2	15.0	85.0	49.3	15.4	8.9	3.1	23.3	**

\*\* = included in other categories. na = not applicable; country or region does not use this funding mechanism.

EU = European Union; GBARD = government budget allocations for R&amp;D; PPP = purchasing power parity.

**Note(s)**

Foreign currencies are converted to dollars through PPPs. The GBARD statistics reported for the United States are federal budget authority data; all years reported in this table reflect the narrowed definition of "development" adopted by the Office of Management and Budget in 2017. GBARD data are not yet available for China or India. The socioeconomic objective categories are aggregates of the 14 categories identified by Eurostat's 2007 Nomenclature for the Analysis and Comparison of Scientific Programmes and Budgets. The data are as reported by the Organisation for Economic Co-operation and Development (OECD).

**Source(s)**OECD, *Main Science and Technology Indicators* (2019/1).*Science and Engineering Indicators*