

Table RD-7

Gross expenditures on R&D for selected countries, by performing sector and source of funds: 2019 or most recent year

(Billions of U.S. PPP dollars and percent share)

Country	GERD (PPP US\$billions)	R&D performance: Share of total (percent)				R&D source of funds: Share of total (percent)			
		Business	Government	Higher education	Private nonprofit ^a	Business	Government	Other domestic	Rest of the world
United States (2019) ^b	668.4	74.5	9.7	11.7	4.1	65.0	21.0	6.8	7.2
China (2019)	525.7	76.4	15.5	8.1	na	76.3	20.5	NA	0.1
Japan (2019)	173.3	79.2	7.8	11.7	1.3	78.9	14.7	5.8	0.6
Germany (2019)	148.1	68.9	13.7	17.4	na	64.5	27.8	0.4	7.4
South Korea (2019)	102.5	80.3	10.0	8.3	1.4	76.9	20.7	0.8	1.6
France (2019)	73.3	65.8	12.4	20.1	1.8	56.7	32.5	2.8	8.0
India (2018) ^c	58.7	36.8	56.1	7.1	0.0	36.8	63.2	0.0	0.0
United Kingdom (2019) ^d	56.9	66.6	6.6	23.1	2.3	54.8	25.9	5.6	13.7

na = not applicable; country does not recognize the category or does not report the data item. NA = not available.

GERD = gross domestic expenditure on R&D; PPP = purchasing power parity.

^a The private nonprofit sector comprises all nonprofit institutions serving households except those classified as part of the higher education sector.

^b Data for U.S. GERD differ slightly from the U.S. total R&D data tabulated earlier in this report. For better consistency with international standards, U.S. GERD includes federal capital funding for federal intramural and nonprofit R&D in addition to what is reported as U.S. total R&D. The data for U.S. funding from the rest of the world include funding for business R&D and academic R&D.

^c For India, the most recent year of available data on GERD and the distribution of R&D performance is 2018, whereas the most recent year available for data on distribution of R&D expenditures by source of funds is 2017.

^d For the United Kingdom, the most recent year available for data on distribution of R&D expenditures by source of funds is 2018.

Note(s):

Table shows the top eight R&D-performing countries in 2019. Year of data is listed in parentheses. Percentages may not add to 100% because of rounding. Germany's expenditures of the nonprofit sector are included in data for other performing sectors. Classification of sectors follows Organisation for Economic Co-operation and Development surveys.

Source(s):

National Center for Science and Engineering Statistics, National Patterns of R&D Resources (2019–20 edition); Organisation for Economic Co-operation and Development, *Main Science and Technology Indicators* (September 2021 edition); United Nations Educational, Scientific and Cultural Organization, Institute for Statistics, Science Technology and Innovation data set (March 2021 release).

Science and Engineering Indicators