

Table RD-7

U.S. business R&D performance, by source of funds: 2021

(Millions of dollars)

Industry, NAICS code	All R&D ^a	Paid for by the company	Paid for by others				
			Total	Federal	Companies		All others
					Domestic	Foreign	
All industries, 21–33, 42–81	602,499	527,804	74,695	23,582	26,587	i 23,256	1,270
Manufacturing industries, 31–33	326,060	287,666	38,394	16,374	6,601	14,855	564
Chemicals, 325	109,490	97,097	12,393	1,223	2,654	8,418	98
Pharmaceuticals and medicines, 3254	100,220	88,524	11,697	1,194	2,631	7,777	95
Machinery, 333	17,730	16,726	1,003	503	211	278	11
Computer and electronic products, 334	101,063	94,211	6,852	2,828	1,650	2,290	84
Semiconductor and other electronic components, 3344	47,396	45,516	1,880	81	75	1,714	10
Electrical equipment, appliance, and components, 335	5,494	5,007	486	25	12	448	1
Transportation equipment, 336	50,760	34,405	16,356	11,670	i 1,534	2,870	i 282
Motor vehicles, bodies, trailers, and parts, 3361–63	26,391	22,754	3,637	48	808	2,713	i 68
Aerospace products and parts, 3364	21,468	i 9,900	11,568	i 10,527	i 724	129	189
Nonmanufacturing industries, 21–23, 42–81	276,439	240,138	36,300	i 7,207	19,986	i 8,400	i 707
Information, 51	147,855	146,488	1,366	377	271	694	24
Software publishers, 5112	39,049	38,441	608	13	240	336	19
Data processing, hosting, and related services, 518	45,192	44,585	607	338	16	250	4
Finance and insurance, 52	20,947	20,902	45	0	45	0	0
Professional, scientific, and technical services, 54	66,496	32,083	34,413	i 6,790	19,555	i 7,470	i 598
Computer systems design and related services, 5415	20,409	17,188	3,221	569	553	2,043	56
Scientific R&D services, 5417	34,142	i 6,123	28,019	i 4,106	18,420	i 5,163	i 330

i = more than 50% of the estimate or its component(s) is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2017 North American Industry Classification System; nec = not elsewhere classified.

^a All R&D is the cost of R&D paid for and performed by the respondent company and paid for by others outside of the company and performed by the respondent company.

Note(s):

Data are for companies with 10 or more domestic employees. Detail may not add to total because of rounding. Beginning in survey year 2018, companies that performed or funded less than \$50,000 of R&D were excluded from tabulation. These companies in aggregate represented a very small share of total R&D expenditures in prior years. Had the companies under this threshold been included in the 2018 estimates, they would have contributed approximately \$90 million to overall R&D expenditures. Industry classification was based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned. Excludes data for federally funded research and development centers.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development (BERD) Survey, 2021.

Science and Engineering Indicators