

Table 2**Funds spent for business R&D performed in the United States, by source of funds, selected industry, and company size: 2020**

(Millions of dollars)

Industry, NAICS code, and company size	All R&D ^a	Paid for by the company ^b	Paid for by others				
			Total	Federal	Companies		All other organizations ^d
					Domestic	Foreign ^c	
All industries, 21–33, 42–81	537,619	466,162	71,457	28,905	21,572	19,854	1,126
Manufacturing industries, 31–33	308,445	264,596	43,848	21,710	i 5,929	15,798	411
Chemicals, 325	101,079	89,403	11,675	1,101	2,602	7,906	D
Pharmaceuticals and medicines, 3254	91,776	80,858	10,918	1,066	2,592	7,198	D
Other 325	9,303	8,545	757	35	10	708	D
Machinery, 333	16,223	15,071	1,152	98	214	825	15
Computer and electronic products, 334	99,535	88,505	11,030	6,434	i 1,586	2,954	58
Electrical equipment, appliance, and components, 335	4,998	4,492	506	29	48	423	5
Transportation equipment, 336	48,796	30,232	18,564	13,961	i 1,355	3,026	222
Motor vehicles, bodies, trailers, and parts, 3361–63	23,121	19,522	3,599	68	654	2,843	35
Aerospace products and parts, 3364	22,914	i 9,111	13,803	i 12,797	i D	D	188
Other 336	2,761	1,599	1,162	1,096	D	D	0
Manufacturing nec, other 31–33	37,814	36,893	921	87	i 124	664	D
Nonmanufacturing industries, 21–23, 42–81	229,174	201,566	27,608	7,195	15,643	i 4,057	715
Information, 51	129,463	128,350	1,113	364	206	455	89
Software publishers, 5112	34,965	34,456	509	65	181	187	76
Other 51	94,498	93,894	604	299	25	268	13
Finance and insurance, 52	12,296	12,204	92	45	5	0	41
Professional, scientific, and technical services, 54	54,367	28,322	26,045	6,733	15,297	i 3,491	524
Computer systems design and related services, 5415	17,935	14,293	3,643	662	581	2,315	85
Scientific research and development services, 5417	25,600	6,246	19,354	3,914	14,109	i 1,073	257
Other 54	10,832	7,783	3,048	2,157	607	103	182
Nonmanufacturing nec, other 21–23, 42–81	33,048	32,690	358	53	135	111	61
Size of company (number of domestic employees)							
Small companies ^e							
10–19	5,047	4,019	1,029	445	300	156	128
20–49	12,994	10,970	2,025	856	601	456	112
Medium companies							
50–99	12,993	11,177	1,816	604	490	656	65
100–249	25,411	22,132	3,280	1,499	723	842	216
Large companies							
250–499	20,878	18,067	2,811	1,070	550	1,043	149
500–999	21,264	18,458	2,807	467	712	1,591	35
1,000–4,999	88,238	75,917	12,322	2,744	1,825	i 7,653	99
5,000–9,999	48,397	42,451	5,945	814	3,677	i 1,332	124
10,000–24,999	88,567	72,827	15,739	i 1,330	8,356	i 5,995	58
25,000 or more	213,829	190,145	23,684	19,075	i 4,338	131	138

D = suppressed to avoid disclosure of confidential information; i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 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.

^b Includes foreign subsidiaries of U.S. companies (\$27.0 billion).

^c Includes foreign parent companies of U.S. subsidiaries (\$17.8 billion) and unaffiliated companies (\$2.1 billion). Excludes funds from foreign subsidiaries to U.S. companies paid for through intercompany transactions (\$27.0 billion).

^d Includes U.S. state government agencies and laboratories (\$0.2 billion); U.S. universities, colleges, and academic researchers (< \$0.01 billion); and all other organizations located inside (\$0.7 billion) and outside the United States (< \$0.01 billion).

^e Includes only companies with 10 or more domestic employees.

Note(s):

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 Survey, 2020.