

Table 2**Funds spent for business R&D performed in the United States, by source of funds, selected industry, and company size: 2022**

(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, 21–23, 31–33, 42–81	691,547	608,058	83,489	31,626	27,125	i	23,604	1,134			
Manufacturing industries, 31–33	372,459	326,998	45,461	24,082	6,623		14,360	396			
Chemicals, 325	125,728	113,518	12,210	766	2,426		8,946	72			
Pharmaceuticals and medicines, 3254	116,073	104,720	11,353	703	2,388		8,195	67			
Other 325	9,655	8,798	857	63	38		751	5			
Machinery, 333	19,464	18,246	1,218	673	165		358	22			
Computer and electronic products, 334	104,718	99,234	5,483	2,560	537	i	2,263	123			
Communication equipment, 3342	11,665	10,870	795	i	205		D	3	i		
Semiconductor and other electronic products, 3344	49,330	47,380	1,950	71	23		1,777	78	r		
Other 334	43,723	40,984	2,738	2,284	D		D	42			
Electrical equipment, appliance, and components, 335	7,086	6,657	429	i	21		35	369	4		
Transportation equipment, 336	71,259	46,468	24,790	19,934	3,060		1,676	120			
Motor vehicles, bodies, trailers, and parts, 3361–63	32,881	30,722	2,087	D	528		1,559	D			
Aerospace products and parts, 3364	35,356	13,786	21,570	i	18,855	i	2,529	103	83		
Other 336	3,022	1,960	1,133	D	3		14	37			
Manufacturing nec, other 31–33	44,204	42,875	1,331	128	400		748	55			
Nonmanufacturing industries, 21–23, 42–81	319,088	281,060	38,028	i	7,544		20,502	i	9,245	737	
Information, 51	182,340	181,392	947	176	332		413	26			
Software publishers, 5112	50,295	49,602	693	102	r		308	260	23		
Other 51	132,045	131,790	254	74	24		153	3			
Finance and insurance, 52	17,222	17,173	49	0	49		0	0			
Professional, scientific, and technical services, 54	74,773	38,633	36,139	i	7,273		19,452	i	8,748	666	i
Computer systems design and related services, 5415	22,534	18,878	3,656	897	408		2,278	73			
Scientific research and development services, 5417	39,625	i	9,297	30,328	i	5,084	18,562	i	6,170	512	i
Other 54	12,614	10,458	2,155	1,292	482		300	81			
Nonmanufacturing nec, other 21–23, 42–81	44,753	43,862	893	95	669		84	45			
Size of company (number of domestic employees)											
Small companies											
10–19 ^e	5,277	4,009	1,269	495	433		242	97			
20–49	14,695	12,788	1,907	741	553		475	D			
Medium companies											
50–99	15,265	13,274	1,990	746	358		814	72	r		
100–249	27,847	24,844	3,003	1,402	554		946	99			
Large companies											
250–499	29,549	26,469	3,080	687	607		1,588	194			
500–999	31,802	29,007	2,795	679	980		1,088	48			
1,000–4,999	104,505	94,615	9,890	1,672	2,346		5,778	95	i		
5,000–9,999	58,709	54,018	4,692	2,573	1,299		713	103	i		
10,000–24,999	121,142	96,071	25,072	i	1,960		11,010	i	11,880	i	D
25,000 or more	282,756	252,964	29,792	20,670	8,985		82	D			

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; r = relative standard error is more than 50%.

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 Paid for by the company includes foreign subsidiaries of U.S. companies (\$30.2 billion).

^c Foreign includes foreign parent companies of U.S. subsidiaries (\$21.0 billion) and unaffiliated companies (\$2.6 billion). Excludes funds from foreign subsidiaries to U.S. companies paid for through intercompany transactions (\$30.2 billion).

^d All other organizations includes U.S. state government agencies and laboratories (\$0.3 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 The Business Enterprise Research and Development Survey does not include companies with fewer than 10 domestic employees.

Note(s):

Detail may not add to total because of rounding. 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. Statistics are representative of companies located in the United States that performed or funded \$50,000 or more of R&D.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2022.