

Table 2**Funds spent for business R&D performed in the United States, by source of funds, selected industry, and company size: 2021**

(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	602,499	527,804	74,695	23,582	26,587	i	23,256	1,271	
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	94	
Other 325	9,270	8,573	696	29	23		641	4	
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	82	
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	D	
Motor vehicles, bodies, trailers, and parts, 3361–63	26,391	22,754	3,637	48	808		2,713	i	
Aerospace products and parts, 3364	21,468	i	9,900	i	11,568	i	10,527	i	
Other 336	2,901	1,751	1,151	1,095	2		D	D	
Manufacturing nec, other 31–33	41,523	40,220	1,304	125	540		551	D	
Nonmanufacturing industries, 21–23, 42–81	276,439	240,138	36,300	i	7,207	19,986	i	8,400	i
Information, 51	147,855	146,488	1,366	377	271		694	24	
Software publishers, 5112	39,049	38,441	608	13	240		336	r	
Other 51	108,806	108,047	758	364	31		358	6	
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
Computer systems design and related services, 5415	20,409	17,188	3,221	569	553		2,043	56	
Scientific research and development services, 5417	34,142	i	6,123	28,019	i	4,106	18,420	i	
Other 54	11,945	8,772	3,173	2,115	582		264	210	
Nonmanufacturing nec, Other 21–23, 42–81	41,141	40,665	476	40	115		236	85	
Size of company (number of domestic employees)									
Small companies ^e									
10–19	5,477	4,258	1,219	444	D		D	D	
20–49	15,061	12,626	2,434	912	792		461	268	
Medium companies									
50–99	14,540	12,488	2,052	694	483		774	101	
100–249	24,023	20,030	3,993	1,421	971		1,437	163	
Large companies									
250–499	23,932	20,574	3,358	1,065	491		1,769	33	
500–999	27,432	23,655	3,777	1,271	912		1,490	104	
1,000–4,999	94,615	83,609	11,006	2,137	2,329	i	6,394	D	
5,000–9,999	62,817	53,873	8,944	i	1,107	3,416	4,281	i	
10,000–24,999	104,607	84,057	20,549	2,961	11,200	i	6,319	D	
25,000 or more	229,995	212,634	17,361	11,570	i	D	D	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 Includes foreign subsidiaries of U.S. companies (\$32.1 billion).

^c Includes foreign parent companies of U.S. subsidiaries (\$20.8 billion) and unaffiliated companies (\$2.5 billion). Excludes funds from foreign subsidiaries to U.S. companies paid for through intercompany transactions (\$32.1 billion).

^d 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 Includes only companies with 10 or more 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, 2021.