

Table 4. Companies with worldwide, domestic, and foreign R&D paid for by the company and others and performed by the company, by source of funds, industry, and company size: 2024

(Number of companies)

Industry and company size	NAICS code	Worldwide R&D performance			Domestic R&D performance			Foreign R&D performance		
		Total	Paid for by the company	Paid for by others	Total	Paid for by the company	Paid for by others	Total	Paid for by the company	Paid for by others
All industries	21–23, 31–33, 42–81	27,010	25,740	3,670	29,570	25,580	3,600	4,130	4,030	290
Manufacturing industries	31–33	13,010	12,560	1,800	12,780	12,530	1,760	1,670	1,640	170
Food	311	840	830	40	990	830	40	130	130	10
Beverage and tobacco products	312	250	250	10	260	250	10	20	20	0
Textile, apparel, and leather products	313–16	180	180	10	190	180	10	30	30	0
Wood products	321	80	80	10	90	80	10	10	10	0
Paper	322	80	80	10	80	70	10	20	20	0
Printing and related support activities	323	130	130	20	140	130	20	10	10	0
Petroleum and coal products	324	60	60	10	60	60	10	10	10	10
Chemicals	325	2,270	2,190	440	2,250	2,190	430	370	360	50
Basic chemicals	3251	320	310	30	300	310	30	50	50	10
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	120	120	20	130	110	20	20	20	10
Pesticide, fertilizer, and other agricultural chemicals	3253	70	70	10	70	70	10	20	20	10
Pharmaceuticals and medicines	3254	1,180	1,120	320	1,140	1,130	310	260	250	40
Soap, cleaning compound, and toilet preparations	3256	180	180	10	210	180	10	20	20	0
Paint, coating, adhesive, and other chemicals	3255, 3259	420	410	70	420	410	70	30	30	10
Plastics and rubber products	326	690	680	100	650	680	100	70	50	20
Nonmetallic mineral products	327	260	220	60	280	220	60	20	20	10
Primary metals	331	180	170	20	170	170	20	20	10	10
Fabricated metal products	332	1,470	1,380	220	1,480	1,380	220	100	100	10
Machinery	333	1,890	1,850	230	1,980	1,850	230	140	140	20
Agricultural implement	33311	180	170	30	160	170	30	20	20	10
Semiconductor machinery	333242	50	40	10	50	40	10	20	20	10
Engine, turbine, and power transmission equipment	3336	130	130	30	140	130	30	20	20	10
Other machinery	other 333	1,550	1,530	170	1,640	1,520	160	100	100	10
Computer and electronic products	334	1,830	1,750	310	1,710	1,750	300	350	340	40
Communications equipment	3342	320	310	50	300	310	50	100	90	10
Semiconductor and other electronic components	3344	490	460	80	470	460	80	110	100	20
Navigational, measuring, electromedical, and control instruments	3345	850	820	170	810	820	170	90	90	20
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	190	170	50	220	170	50	20	20	10
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	140	140	30	130	140	30	20	20	10
Other measuring and controlling devices	other 3345	530	520	100	470	520	100	60	60	10

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Other computer and electronic products	other 334	180	180	20	150	180	20	70	70	10
Electrical equipment, appliances, and components	335	420	390	60	380	390	60	70	70	10 i
Transportation equipment	336	1,110	1,050	190	930	1,050	190	140	140	40
Motor vehicles, bodies, trailers, and parts	3361–63	640	630	90	540	630	90	80	80	20
Aerospace products and parts	3364	290	240	90	260	240	90	40	40	20
Aircraft, aircraft engine, and aircraft parts	336411–13	260	220	80	230	220	80	30	30	10
Guided missile, space vehicle, and related parts	336414–15, 336419	40	30	20	30	30	20	10	10	10
Military armored vehicle, tank, and tank components	336992	20	20	10	20	20	10	0	0	0
Other transportation	other 336	180	180	10	130	180	10	30	30	10
Furniture and related products	337	170	170	10 i	200	170	0	20 i	20 i	10 i
Miscellaneous	339	1,200	1,170	150	1,050	1,170	150	220	210	20 i
Medical equipment and supplies	3391	820	800	140	660	800	130	160	150	20 i
Other miscellaneous manufacturing	3399	390	380	20	390	380	20	60	60	10 i
Nonmanufacturing industries	21–23, 42–81	14,010	13,190	1,880	16,790	13,060	1,850	2,470	2,400	120
Mining, quarrying, oil and gas extraction, and support activities	21	70	70	10	60	70	10	10	10	10 i
Utilities	22	70	70	10	70	70	10	10	10	0
Wholesale trade	42	1,640	1,610	160	2,350	1,580	160	110 i	100 i	10 i
Electronic shopping and electronic auctions	454111–12	110	110	0	270	110	0	10	10	0
Transportation and warehousing	48–49	440 r	440 r	10	490 r	440 r	10	20	20	0
Information	51	3,750	3,670	170	3,750	3,610	150	1,150	1,150	30
Publishing	511	1,730	1,690	70	1,690	1,670	60	430	430	10
Newspaper, periodical, book, and directory publishers	5111	40 i	40 i	0	50 i	40 i	0	10 i	10 i	0
Software publishers	5112	1,690	1,650	70	1,650	1,630	60	430	420	10
Telecommunications	517	160	150	10	150	150	10	20	20	10
Data processing, hosting, and related services	518	1,710	1,670	90	1,680	1,640	90	630	620	10 i
Other information	other 51	170	170	10	240	170	10	80	80	10 i
Finance and insurance	52	230	230	10	220	210	10	90	90	10
Real estate and rental and leasing	53	60	60	0	540	60	0	20	20	0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	10 i	10 i	0	10 i	10 i	0	0	0	0
Other real estate and rental and leasing	other 53	60	60	0	530	50	0	20	20	0
Professional, scientific, and technical services	54	6,960	6,310	1,470	7,560	6,290	1,460	1,020 i	960 i	90

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Architectural, engineering, and related services	5413	1,650	1,550	300	1,660	1,550	300	40	40	10
Computer systems design and related services	5415	2,780	2,670	320	2,950	2,650	320	580	580	20
Scientific research and development services	5417	1,300	930	730	1,500	930	730	120	100	40
Research and development in nanotechnology	541713	70	50	40	80	50	40	10	10	0
Research and development in biotechnology (except nanobiotechnology)	541714	340	260	160	420	260	160	40	30	20
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	890	620	520	980	610	520	80	70	30
Research and development in the social sciences and humanities	541720	20	20	10	20	20	10	10	0	10
Other professional, scientific, and technical services	other 54	1,250	1,180	130	1,480	1,170	130	290	260	30
Health care services	621-23	230	190	60	260	190	60	20	20	0
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	510	490	20	1,290	490	20	60	60	0
All companies (number of domestic employees)	-	27,010	25,740	3,670	29,570	25,580	3,600	4,130	4,030	290
Small companies										
10-19 ^a	-	4,760	4,380	890	5,590	4,330	880	740	710	50
20-49	-	7,520	7,230	1,130	7,920	7,190	1,120	630	590	50
Medium companies										
50-99	-	4,720	4,540	500	5,030	4,510	500	500	490	20
100-249	-	4,320	4,110	480	4,540	4,070	480	630	620	20
Large companies										
250-499	-	2,000	1,920	210	2,100	1,910	200	420	420	30
500-999	-	1,670	1,610	170	1,880	1,610	160	350	340	30
1,000-4,999	-	1,410	1,370	180	1,490	1,370	170	570	560	40
5,000-9,999	-	270	260	50	280	260	50	150	140	20
10,000-24,999	-	230	220	70	610	220	60	120	120	30
25,000 or more	-	150	150	40	150	140	40	80	80	30

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 = 2017 North American Industry Classification System.

^a 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 is 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. Statistics are based on companies in the United States that reported to the survey. No systematic item imputation was applied.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2024.