

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: 2020
 (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	30,540	28,890	4,030	30,360	28,720	3,900	3,520	3,330	390 i
Manufacturing industries	31–33	16,000	15,500	1,770	15,920	15,420	1,690	1,700	1,600	230 i
Food	311	970	970	80	970	970	80	50	50	10 i
Beverage and tobacco products	312	240	240	10	240	240	10	10	10	0
Textile, apparel, and leather products	313–16	230	230	20	230	230	20	30	30	0
Wood products	321	130	130	10	130	130	10	10 i	10 i	0
Paper	322	100	100	10 i	100	100	10	20	20	10 i
Printing and related support activities	323	230	210	20	220	210	20	20 i	20 i	0
Petroleum and coal products	324	100	100	10	100	100	10	10	10	10 i
Chemicals	325	2,570	2,470	410	2,550	2,450	380	390	370	60 i
Basic chemicals	3251	310	300	30	300	300	30	70	70	10
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	150	150	20	150	150	20	20	20	10 i
Pesticide, fertilizer, and other agricultural chemicals	3253	140	140	10	130	130	10	30 i	30 i	10
Pharmaceuticals and medicines	3254	1,230	1,190	280	1,230	1,190	270	220	220	30
Soap, cleaning compound, and toilet preparation	3256	370	340	40 i	370	340	30	40 i	30	20 i
Paint, coating, adhesive, and other chemicals	3255, 3259	400	370	50	400	370	50	40	40	10 i
Plastics and rubber products	326	1,040	1,020	80	1,040	1,020	80	90 i	90 i	10 i
Nonmetallic mineral products	327	240	240	20	240	240	20	20	20	10
Primary metals	331	270	270	20	270	270	20	10	10	10 i
Fabricated metal products	332	2,280	2,260	160	2,270	2,250	130	100 i	70	30 i
Machinery	333	2,160	2,080	230	2,120	2,050	230	240 i	230 i	20
Agricultural implement	33311	160	160	10 i	160	160	10	20	20	10 i
Semiconductor machinery	333242	60	60	20	60	60	20	30 i	30	10
Engine, turbine, and power transmission equipment	3336	90	90	30	90	90	30	20	20	10
Other machinery	other 333	1,860	1,790	190	1,830	1,760	190	180 i	180 i	10 i
Computer and electronic products	334	2,220	2,100	370	2,220	2,090	360	350	340	40
Communications equipment	3342	400	360	60	400	360	60	80	80	10
Semiconductor and other electronic components	3344	570	540	140	570	530	130	110	110	20 i
Navigational, measuring, electromedical, and control instruments	3345	1,060	1,000	170	1,060	1,000	170	130	130	20
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	190	180	40	190	180	40	50	50	10
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	130	130	20	130	130	20	20	20	10
Other measuring and controlling device	other 3345	740	700	120	740	700	120	70	70	10
Other computer and electronic products	other 334	210	210	20	210	210	20	40	40	10

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Electrical equipment, appliances, and components	335	680	640	90	680	640	90	110	90	40
Transportation equipment	336	980	910	200	980	900	200	130	120	30
Motor vehicles, bodies, trailers, and parts	3361-63	500	470	100	490	470	100	90	80	20
Aerospace products and parts	3364	350	310	80	340	310	80	30	30	10
Aircraft, aircraft engine, and aircraft parts	336411-13	310	280	60	310	280	60	30	30	10
Guided missile, space vehicle, and related parts	336414-15, 336419	40	40	30	40	40	30	10	10	0
Military armored vehicle, tank, and tank component	336992	10	10	10	10	10	10	0	0	0
Other transportation	other 336	140	130	20	140	130	20	20	20	10
Furniture and related products	337	240	240	10	240	240	10	20	20	0
Miscellaneous	339	1,440	1,430	110	1,430	1,420	100	170	170	20
Medical equipment and supplies	3391	840	830	70	840	830	70	110	110	20 i
Other miscellaneous manufacturing	3399	600	600	40	600	600	40	70 i	70 i	10
Nonmanufacturing industries	21-23, 42-81	14,550	13,400	2,260	14,460	13,310	2,220	1,830	1,730	170 i
Mining, quarrying, oil and gas extraction, and support activities	21	300	280	30	300	280	30	30 i	20 i	10 i
Utilities	22	50	50	10	50	50	10	10	10	0
Wholesale trade	42	1,170	1,110	80	1,160	1,100	80	70 i	70 i	10 i
Electronic shopping and electronic auctions	454111-12	90	90	10	90	90	10	10	10	0
Transportation and warehousing	48-49	60	50	10	60	50	10	20	20	0
Information	51	3,860	3,780	230	3,810	3,740	200	1,030	1,020	40 i
Publishing	511	1,720	1,670	130	1,680	1,630	110	360 i	350 i	30
Newspaper, periodical, book, and directory publishers	5111	30	30	0	30	30	0	0	0	0
Software publishers	5112	1,690	1,650	130	1,650	1,610	110	360 i	350 i	30
Telecommunications	517	140	130	20	140	130	20	30	30	0
Data processing, hosting, and related services	518	1,660	1,640	70	1,660	1,640	70	600	600	10 i
Other information	other 51	350	350	30	350	350	30	60	60	0
Finance and insurance	52	220	220	10 i	220	220	10	70	70	10 i
Real estate and rental and leasing	53	60	60	10	60	60	10	10	10	0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	20	20	10	20	20	10	10	10	0
Other real estate and rental and leasing	other 53	40	40	0	40	40	0	10	10	0
Professional, scientific, and technical services	54	7,010	6,100	1,790	6,980	6,070	1,780	540 i	450	110 i
Architectural, engineering, and related services	5413	1,390	1,180	370	1,390	1,180	370	80 i	40 i	50 i
Computer systems design and related services	5415	2,810	2,600	400	2,780	2,570	400	280 i	270 i	20
Scientific research and development services	5417	1,720	1,280 i	930	1,710	1,280	930	110	80	50 i
Research and development in nanotechnology	541713	110 i	90 i	50 i	110 i	90 i	50 i	10	10	0

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Research and development in biotechnology (except nanobiotechnology)	541714	350	270	180	350	270	180	40	20	20	i
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	1,250	920	700	1,250	920	700	80	70	30	
Research and development in the social sciences and humanities	541720	20	20	10	20	20	10	10	10	10	i
Other professional, scientific, and technical services	other 54	1,110	1,060	110	1,110	1,060	110	80	70	10	
Health care services	621-23	620	560	100	620	560	100	10	10	10	i
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	1,170	1,160	40	1,160	1,150	30	80	80	10	i
All companies (number of domestic employees)	-	30,540	28,890	4,030	30,360	28,720	3,900	3,520	3,330	390	i
Small companies											
10-19 ^a	-	5,160	4,660	1,170	5,110	4,610	1,150	400	360	70	i
20-49	-	9,540	9,020	1,090	9,510	9,000	1,060	660	590	90	i
Medium companies											
50-99	-	5,570	5,330	640	5,530	5,290	610	400	360	50	i
100-249	-	4,990	4,780	490	4,950	4,730	480	590	570	40	i
Large companies											
250-499	-	2,110	2,050	200	2,100	2,040	190	360	350	30	
500-999	-	1,290	1,240	140	1,280	1,230	140	320	320	20	
1,000-4,999	-	1,330	1,280	170	1,320	1,270	160	510	500	50	
5,000-9,999	-	260	250	70	260	250	60	120	120	20	
10,000-24,999	-	220	210	60	220	210	60	120	120	30	
25,000 or more	-	130	130	40	130	130	40	80	80	20	

i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

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 and are not comparable with estimates published for years prior to 2018. Statistics are based on companies in the United States that reported to the survey. No systematic item imputation was applied. Beginning in survey year 2018, these statistics include an adjustment to the weight to account for unit nonresponse; beginning in survey year 2019, these company count estimates reflect a change in rounding methodology.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2020.