

TABLE 8
Worldwide, domestic, and foreign sales for companies located in the United States that performed or funded R&D, by industry and company size: 2018
(Millions of U.S. dollars)

Industry and company size	NAICS code	Sales					
		R&D performers or funders ^a			Domestic R&D performers ^b		
		Worldwide	Domestic	Foreign	Worldwide	Domestic	Foreign
All industries	21–23, 31–33, 42–81	14,458,452	10,698,764	3,759,688	13,822,080	10,150,522	3,671,558
Manufacturing industries	31–33	8,585,796	5,951,870	2,633,926	8,455,985	5,855,633	2,600,352
Food	311	746,333	538,730	207,603	743,967	536,385	207,581
Beverage and tobacco products	312	249,530	152,592	96,938	218,197	152,572	65,625
Textile, apparel, and leather products	313–16	103,275	72,942	30,333	102,591	72,258	30,333
Wood products	321	31,707	29,379	2,328	30,017	27,689	2,328
Paper	322	116,876	89,619	27,258	116,876	89,619	27,258
Printing and related support activities	323	33,608	30,257	3,351	33,565	30,214	3,351
Petroleum and coal products	324	668,173	401,832	266,341	668,173	401,832	266,341
Chemicals	325	1,626,314	1,165,161	461,153	1,615,898	1,154,745	461,153
Basic chemicals	3251	236,851	174,123	62,728	236,726	173,998	62,728
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	117,191	62,452	54,739	117,191	62,452	54,739
Pesticide, fertilizer, and other agricultural chemicals	3253	116,286	99,083	17,203	116,227	99,024	17,203
Pharmaceuticals and medicines	3254	846,187	653,729	192,459	836,121	643,663	192,459
Soap, cleaning compound, and toilet preparation	3256	204,916	112,019	92,897	204,907	112,010	92,897
Paint, coating, adhesive, and other chemicals	3255, 3259	104,883	63,756	41,128	104,726	63,598	41,128
Plastics and rubber products	326	212,176	172,644	39,532	210,661	171,349	39,313
Nonmetallic mineral products	327	76,091	56,896	19,196	58,325	40,885	17,439
Primary metals	331	170,601	132,195	38,406	169,657	131,251	38,406
Fabricated metal products	332	165,973	131,214	34,759	165,260	130,501	34,759
Machinery	333	619,588	372,991	246,597	618,851	372,371	246,480
Agricultural implement	33311	80,729	44,417	36,312	80,729	44,417	36,312
Semiconductor machinery	333242	45,586	21,754	23,832	45,586	21,754	23,832
Engine, turbine, and power transmission equipment	3336	112,797	52,155	60,641	112,797	52,155	60,641
Other machinery	other 333	380,476	254,665	125,811	379,739	254,044	125,695
Computer and electronic products	334	1,455,027	821,622	633,406	1,454,472	821,171	633,301
Communications equipment	3342	129,583	84,629	44,954	129,583	84,629	44,954
Semiconductor and other electronic components	3344	509,575	302,091	207,483	509,139	301,760	207,379
Navigational, measuring, electromedical, and control instruments	3345	268,195	180,130	88,064	268,074	180,010	88,064
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	47,582	27,781	19,801	47,582	27,781	19,801
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	110,565	78,873	31,692	110,565	78,873	31,692
Other measuring and controlling device	other 3345	110,047	73,476	36,571	109,927	73,356	36,571
Other computer and electronic products	other 334	547,675	254,771	292,904	547,675	254,771	292,904
Electrical equipment, appliances, and components	335	211,615	131,419	80,196	211,342	131,162	80,180

TABLE 8
Worldwide, domestic, and foreign sales for companies located in the United States that performed or funded R&D, by industry and company size: 2018
(Millions of U.S. dollars)

Industry and company size	NAICS code	Sales					
		R&D performers or funders ^a			Domestic R&D performers ^b		
		Worldwide	Domestic	Foreign	Worldwide	Domestic	Foreign
Transportation equipment	336	1,592,282	1,310,128	282,154	1,532,353	1,250,199	282,154
Motor vehicles, bodies, trailers, and parts	3361-63	1,071,646	871,129	200,517	1,011,717	811,201	200,517
Aerospace products and parts	3364	433,748	369,214	64,534	433,748	369,214	64,534
Aircraft, aircraft engine, and aircraft parts	336411-13	408,554	352,038	56,516	408,554	352,038	56,516
Guided missile, space vehicle, and related parts	336414-15, 336419	25,194	17,176	8,018	25,194	17,176	8,018
Military armored vehicle, tank, and tank component	336992	406	406	0	406	406	0
Other transportation	other 336	86,482	69,379	17,103	86,482	69,379	17,103
Furniture and related products	337	44,786	41,001	3,786	44,215	40,456	3,759
Miscellaneous	339	461,840	301,250	160,591	461,565	300,974	160,591
Medical equipment and supplies	3391	310,045	204,749	105,296	309,844	204,548	105,296
Other miscellaneous manufacturing	3399	151,795	96,501	55,295	151,720	96,426	55,295
Nonmanufacturing industries	21-23, 42-81	5,872,656	4,746,894	1,125,762	5,366,095	4,294,889	1,071,206
Mining, quarrying, oil and gas extraction, and support activities	21	372,844	198,666	174,178	365,711	191,532	174,178
Utilities	22	349,586	343,289	6,297	274,599	268,302	6,297
Wholesale trade	42	181,680	151,009	30,671	176,495	146,302	30,193
Electronic shopping and electronic auctions	454111-12	179,392 - 325,998	179,393	0 - 146,605	176,809 - 323,414	176,810	0 - 146,605
Transportation and warehousing	48-49	306,596	234,630	71,967	306,596	234,630	71,967
Information	51	1,667,576	1,310,041	357,535	1,648,942	1,296,193	352,749
Publishing	511	330,176	224,147	106,029	329,657	223,631	106,026
Newspaper, periodical, book, and directory publishers	5111	4,262	3,759	502	4,262	3,759	502
Software publishers	5112	325,915	220,388	105,527	325,395	219,872	105,523
Telecommunications	517	493,873	480,548	13,325	492,404	479,111	13,293
Data processing, hosting, and related services	518	456,222	353,941	102,281	455,890	353,615	102,276
Other information	other 51	387,305	251,405	135,900	370,991	239,837	131,154
Finance and insurance	52	1,050,112	954,685	95,427	1,049,493	954,066	95,427
Real estate and rental and leasing	53	9,170	6,147	3,022	9,165	6,142	3,022
Lessors of nonfinancial intangible assets (except copyrighted works)	533	243	243	0	238	238	0
Other real estate and rental and leasing	other 53	8,926	5,904	3,022	8,926	5,904	3,022
Professional, scientific, and technical services	54	615,885	424,784	191,101	613,215	422,944	190,271
Architectural, engineering, and related services	5413	126,497	102,179	24,318	125,962	101,645	24,318
Computer systems design and related services	5415	253,518	156,026	97,492	252,891	155,586	97,306
Scientific research and development services	5417	91,330	71,852	19,479	91,187	71,708	19,479
Research and development in biotechnology	541711	32,783	28,304	4,479	32,658	28,179	4,479

TABLE 8
Worldwide, domestic, and foreign sales for companies located in the United States that performed or funded R&D, by industry and company size: 2018
(Millions of U.S. dollars)

Industry and company size	NAICS code	Sales						
		R&D performers or funders ^a			Domestic R&D performers ^b			
		Worldwide	Domestic	Foreign	Worldwide	Domestic	Foreign	
Research and development in the physical, engineering, and life sciences (except biotechnology)	541712	57,608	42,616	14,992	57,605	42,613	14,992	i
Research and development in the social sciences and humanities	541720	939	932	7	923	916	7	
Other professional, scientific, and technical services	other 54	144,540	94,727	49,812	143,175	94,005	49,170	i
Health care services	621-23	100,593	100,091	502	100,484	99,983	501	
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	892,615 - 1,039,226	844,159	48,456 - 195,066	497,985 - 644,590	497,986	0 - 146,605	
All companies (number of domestic employees)	-	14,458,452	10,698,764	3,759,688	13,822,080	10,150,522	3,671,558	
Small companies								
10-19 ^c	-	21,096	20,349	747	20,187	19,439	747	
20-49	-	73,675	69,771	3,904	71,295	67,754	3,541	
Medium companies								
50-99	-	136,900	126,982	9,918	133,180	123,747	9,433	
100-249	-	353,330	300,151	53,179	319,231	297,374	21,857	
Large companies								
250-499	-	325,558	279,802	45,757	320,412	274,801	45,611	
500-999	-	509,883	408,482	101,401	495,272	394,070	101,202	
1,000-4,999	-	1,967,720	1,450,957	516,763	1,947,769	1,431,658	516,110	
5,000-9,999	-	1,373,162	1,001,344	371,818	1,323,912	958,596	365,316	
10,000-24,999	-	3,287,271	2,262,566	1,024,705	3,254,697	2,229,992	1,024,705	
25,000 or more	-	6,409,856	4,778,360	1,631,496	5,936,125	4,353,090	1,583,035	

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

NAICS = 2012 North American Industry Classification System.

^a Statistics are representative of companies located in the United States that performed or funded R&D.

^b Statistics are representative of companies located in the United States that performed R&D.

^c Business Research and Development Survey does not include companies with fewer than 10 domestic employees.

Note(s):

Domestic sales are the amount of sales that originated from domestic operations. Foreign sales are the amount of sales that originated from foreign operations. 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. Beginning in survey year 2018, statistics are representative of companies located in the United States that performed or funded \$50,000 or more of R&D. This change has affected the comparability of these estimates with estimates published for years prior to 2018. An estimate range may be displayed in place of a single estimate to avoid disclosing operations of individual companies.

Source(s):

National Center for Science and Engineering Statistics and U.S. Census Bureau, Business Research and Development Survey, 2018.