

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: 2017
(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	12,948,005	9,682,692	3,265,314	12,445,698	9,278,005	3,167,692
Manufacturing industries	31-33	7,593,041	5,423,997	2,169,044	7,476,731	5,345,784	2,130,946
Food	311	844,347	647,782	196,565	840,210	643,675	196,535
Beverage and tobacco products	312	251,654	150,683	100,971	215,582	150,540	65,042
Textile, apparel, and leather products	313-16	104,261	81,151	23,109	102,856	79,903	22,954
Wood products	321	28,458	27,589	869	27,971	27,103	869
Paper	322	225,561	166,833	58,728	223,806	165,107	58,699
Printing and related support activities	323	48,808	40,404	8,404	48,665	40,261	8,404
Petroleum and coal products	324	289,120	233,600	55,520	289,118	233,597	55,520
Chemicals	325	1,303,635	901,859	401,776	1,298,828	897,168	401,661
Basic chemicals	3251	220,526	158,316	62,210	220,440	158,230	62,210
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	61,672	43,430	18,242	61,359	43,132	18,227
Pesticide, fertilizer, and other agricultural chemicals	3253	80,558	69,085	11,473	80,381	68,909	11,473
Pharmaceuticals and medicines	3254	639,147	466,391	172,755	636,860	464,105	172,755
Soap, cleaning compound, and toilet preparation	3256	194,579	98,208	96,371	194,426	98,055	96,371
Paint, coating, adhesive, and other chemicals	3255, 3259	107,153	66,428	40,725	105,362	64,738	40,624
Plastics and rubber products	326	265,955	187,102	78,853	262,721	184,101	78,620
Nonmetallic mineral products	327	56,954	45,621	11,333	52,665	41,332	11,333
Primary metals	331	117,039	91,446	25,593	109,632	85,183	24,449
Fabricated metal products	332	142,711	111,740	30,971	141,434	110,592	30,842
Machinery	333	506,634	323,082	183,552	505,363	321,852	183,511
Agricultural implement	33311	71,107	46,786	24,321	70,649	46,327	24,321
Semiconductor machinery	333242	37,934	20,067	17,866	37,934	20,067	17,866
Engine, turbine, and power transmission equipment	3336	66,516	35,990	30,526	66,434	35,908	30,526
Other machinery	other 333	331,077	220,238	110,839	330,347	219,549	110,798
Computer and electronic products	334	1,182,375	697,118	485,257	1,181,501	696,277	485,224
Communications equipment	3342	129,733	88,593	41,140	129,389	88,248	41,140
Semiconductor and other electronic components	3344	297,753	171,921	125,833	297,569	171,757	125,813
Navigational, measuring, electromedical, and control instruments	3345	252,030	168,019	84,011	251,706	167,704	84,002
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	41,084	22,449	18,635	40,916	22,281	18,635
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	103,021	76,530	26,491	103,021	76,530	26,491
Other measuring and controlling device	other 3345	107,924	69,039	38,885	107,769	68,892	38,877
Other computer and electronic products	other 334	502,858	268,585	234,273	502,837	268,568	234,269
Electrical equipment, appliances, and components	335	181,020	113,434	67,586	180,242	112,659	67,583

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		Worldwide	Domestic	Foreign	Worldwide	Domestic	Foreign
Transportation equipment	336	1,487,960	1,173,095	314,865	1,441,688	1,126,833	314,855
Automobiles, bodies, trailers, and parts	3361-63	961,170	756,472	204,697	915,344	710,656	204,687
Aerospace products and parts	3364	445,364	350,201	95,163	445,357	350,194	95,163
Aircraft, aircraft engine, and aircraft parts	336411-13	419,846	331,306	88,539	419,846	331,306	88,539
Guided missile, space vehicle, and related parts	336414-15, 336419	25,519	18,895	6,624	25,511	18,888	6,624
Military armored vehicle, tank, and tank components	336992	322	322	0	308	308	0
Other transportation	other 336	81,104	66,100	15,005	80,680	65,675	15,005
Furniture and related products	337	48,649	43,772	4,877	48,070	43,193	4,877
Miscellaneous manufacturing	339	507,901	387,688	120,213	506,377	386,408	119,969
Medical equipment and supplies	3391	403,909	309,223	94,686	403,724	309,037	94,686
Other miscellaneous manufacturing	3399	103,991	78,464	25,527	102,654	77,371	25,283
Nonmanufacturing industries	21-23, 42-81	5,354,965	4,258,695	1,096,270	4,968,967	3,932,221	1,036,746
Mining, extraction, and support activities	21	530,099	249,285	280,814	526,208 - 529,968	245,525 - 249,286	280,682
Utilities	22	411,267	404,968	6,299	295,639	289,340	6,299
Wholesale trade	42	219,621	186,263	33,358	205,493	172,665	32,828
Electronic shopping and electronic auctions	454111-12	200,504	137,551	62,952	200,026	137,074	62,952
Transportation and warehousing	48-49	240,650	186,668	53,981	236,890 - 240,650	182,908 - 186,669	53,981
Information	51	1,486,356	1,192,143	294,213	1,464,186	1,175,499	288,687
Publishing	511	346,794	232,373	114,421	345,746	231,423	114,323
Newspaper, periodical, book, and directory publishers	5111	2,467	2,175	292	2,129	1,844	285
Software publishers	5112	344,327	230,197	114,129	343,617	229,579	114,038
Telecommunications	517	536,572	522,690	13,882	527,557 - 532,988	519,105	8,453 - 13,883
Data processing, hosting, and related services	518	369,102	302,527	66,575	369,043	302,468	66,575
Other information	other 51	233,888	134,554	99,334	216,407 - 221,838	122,503	93,905 - 99,335
Finance and insurance	52	835,773	736,468	99,305	810,001	712,395	97,606
Real estate and rental and leasing	53	13,254	10,823	2,431	12,069	9,637	2,431
Lessors of nonfinancial intangible assets (except copyrighted works)	533	2,117	2,068	50	1,939	1,889	50
Other real estate and rental and leasing	other 53	11,137	8,755	2,381	10,130	7,748	2,381
Professional, scientific, and technical services	54	560,472	400,375	160,097	558,752	398,712	160,039
Architectural, engineering, and related services	5413	117,848	92,417	25,431	117,319	91,888	25,431
Computer systems design and related services	5415	234,694	152,271	82,423	234,049	151,652	82,398

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		Worldwide	Domestic	Foreign	Worldwide	Domestic	Foreign
Scientific research and development services	5417	84,411	69,134	15,277	84,257	68,986	15,271
Biotechnology research and development	541711	30,331	26,808	3,523	30,315	26,793	3,523
Physical, engineering, and life sciences (except biotechnology) research and development	541712	52,836	41,083	11,754	52,697	40,949	11,748
Social sciences and humanities research and development	541720	1,244	1,244	0	1,244	1,244	0
Other professional, scientific, and technical services	other 54	123,519	86,553	36,966	123,126	86,187	36,939
Health care services	621-23	116,380	115,007	1,373	115,091	113,718	1,373
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	740,588	639,143	101,446	540,848	490,982	49,866
All companies (number of domestic employees)	-	12,948,005	9,682,692	3,265,314	12,445,698	9,278,005	3,167,692
Small companies							
10-19 ^c	-	51,341	24,126	27,214	48,112 - 48,747	21,532	26,581 - 27,215
20-49	-	88,804	86,131	2,672	83,192	80,599	2,593
Medium companies							
50-99	-	122,854	116,967	5,887	118,234	112,829	5,405
100-249	-	319,116	258,031	61,085	274,842	249,889	24,953
Large companies							
250-499	-	324,148	280,138	44,009	314,390	270,948	43,443
500-999	-	436,803	368,694	68,110	421,782	354,824	66,958
1,000-4,999	-	1,685,650	1,249,905	435,744	1,653,915	1,220,374	433,541
5,000-9,999	-	1,324,619	939,230	385,388	1,289,731	909,050	380,681
10,000-24,999	-	2,633,889	1,851,278	782,611	2,571,086 - 2,571,721	1,789,109	781,978 - 782,612
25,000 or more	-	5,960,783	4,508,191	1,452,592	5,669,775	4,268,852	1,400,922

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. 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, 2017.