

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: 2015**

(Millions of U.S. dollars)

Industry and company size	NAICS code	Sales					
		R&D performers or funders <sup>a</sup>			Domestic R&D performers <sup>b</sup>		
		Worldwide	Domestic	Foreign	Worldwide	Domestic	Foreign
All industries	21–23, 31–33, 42–81	12,138,755	9,049,901	3,088,854	11,942,225	8,893,058	3,049,167
Manufacturing industries	31–33	7,512,820	5,358,542	2,154,278	7,473,149	5,351,212	2,121,937
Food	311	770,183	559,933	210,251	770,183	559,933	210,251
Beverages and tobacco products	312	262,218	167,274	94,944	D	167,274	D
Textiles, apparel, and leather products	313–16	82,559	68,867	13,692	82,559	68,867	13,692
Wood products	321	27,189	24,658	2,531	27,189	24,658	2,531
Paper	322	102,736	76,228	26,508	102,736	76,228	26,508
Printing and related support activities	323	50,147	42,669	7,478	50,147	42,669	7,478
Petroleum and coal products	324	183,140	146,898	36,242	183,140	146,898	36,242
Chemicals	325	1,503,780	1,023,512	480,268	D	1,020,126	D
Basic chemicals	3251	322,968	253,233	69,735	D	D	D
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	172,891	127,529	45,361	172,891	127,529	45,361
Pesticides, fertilizers, and other agricultural chemicals	3253	93,566	50,472	43,094	93,566	50,472	43,094
Pharmaceuticals and medicines	3254	700,212	456,424	243,788	D	D	243,788
Soaps, cleaning compounds, and toilet preparations	3256	120,150	74,680	45,470	120,150	74,680	45,470
Paints, coatings, adhesives, and other chemicals	3255, 3259	93,993	61,174	32,819	93,993	61,174	32,819
Plastics and rubber products	326	182,894	154,025	28,869	182,894	154,025	28,869
Nonmetallic mineral products	327	69,197	51,182	18,014	D	49,348	D
Primary metals	331	115,293	90,950	24,343	115,293	90,950	24,343
Fabricated metal products	332	174,698	138,190	36,507	D	138,016	D
Machinery	333	531,837	360,719	171,118	531,837	360,719	171,118
Agricultural implements	33311	67,910	43,413	24,497	67,910	43,413	24,497
Semiconductor machinery	333242	26,840	10,735	16,105	26,840	10,735	16,105
Engines, turbines, and power transmission equipment	3336	74,396	46,954	27,442	74,396	46,954	27,442
Other machinery	other 333	362,691	259,617	103,074	362,691	259,617	103,074
Computer and electronic products	334	1,222,531	734,610	487,920	1,219,910	733,929	485,981
Communications equipment	3342	376,925	181,314	195,611	376,925	181,314	195,611
Semiconductors and other electronic components	3344	361,657	239,789	121,868	359,063	239,135	119,928
Navigational, measuring, electromedical, and control instruments	3345	244,980	165,880	79,100	244,953	165,853	79,100
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	40,095	24,256	15,839	40,095	24,256	15,839
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	101,962	75,667	26,294	101,962	75,667	26,294
Other measuring and controlling devices	other 3345	102,923	65,956	36,967	102,896	65,929	36,967
Other computer and electronic products	other 334	238,969	147,628	91,342	238,969	147,628	91,342
Electrical equipment, appliances, and components	335	230,732	150,020	80,712	230,365	149,653	80,712
Transportation equipment	336	1,508,173	1,187,996	320,177	1,507,359	1,187,182	320,177
Automobiles, bodies, trailers, and parts	3361–63	1,026,540	795,662	230,878	1,025,726	794,848	230,878
Aerospace products and parts	3364	401,645	324,873	76,772	401,645	324,873	76,772
Aircraft, aircraft engines, and aircraft parts	336411–13	389,720	312,997	76,723	389,720	312,997	76,723

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		R&D performers or funders <sup>a</sup>			Domestic R&D performers <sup>b</sup>		
		Worldwide	Domestic	Foreign	Worldwide	Domestic	Foreign
Guided missiles, space vehicles, and related parts	336414–15, 336419	11,925	11,876	48	11,925	11,876	48
Military armored vehicles, tanks, and tank components	336992	677	673	4	677	673	4
Other transportation	other 336	79,311	66,788	12,523	79,311	66,788	12,523
Furniture and related products	337	41,432	36,257	5,175	41,432	36,257	5,175
Miscellaneous manufacturing	339	454,083	344,553	109,530	454,009	344,479	109,530
Medical equipment and supplies	3391	330,060	261,471	68,590	330,060	261,471	68,590
Other miscellaneous manufacturing	3399	124,023	83,082	40,941	123,949	83,008	40,941
Nonmanufacturing industries	21–23, 42–81	4,625,934	3,691,358	934,576	4,469,076	3,541,846	927,230
Mining, extraction, and support activities	21	581,677	292,590	289,087	559,157	271,076	288,081
Utilities	22	330,165	322,499	7,666	226,720	220,461	6,259
Wholesale trade	42	241,724	222,460	19,265	237,643	218,836	18,807
Electronic shopping and electronic auctions	454111–12	135,333	88,562	46,771	135,332	88,561	46,771
Transportation and warehousing	48–49	168,300	133,709	34,590	165,744	132,474	33,269
Information	51	1,347,354	1,105,520	241,833	1,332,973	1,093,706	239,267
Publishing	511	562,821	405,563	157,258	562,713	405,474	157,240
Newspaper, periodical, book, and directory publishers	5111	2,713	2,409	303	2,713	2,409	303
Software publishers	5112	560,108	403,153	156,955	560,001	403,065	156,936
Telecommunications	517	519,730	515,936	3,794	519,594	515,811	3,782
Data processing, hosting, and related services	518	115,464	93,099	22,364	115,318	92,954	22,364
Other information	other 51	149,339	90,922	58,417	135,348	79,466	55,881
Finance and insurance	52	778,854	709,990	68,863	778,009	709,145	68,863
Real estate and rental and leasing	53	11,109	10,549	560	11,081	10,521	560
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,252	1,029	224	1,252	1,029	224
Other real estate and rental and leasing	other 53	9,857	9,520	337	9,829	9,492	337
Professional, scientific, and technical services	54	579,162	421,966	157,196	578,541	421,430	157,110
Architectural, engineering, and related services	5413	161,223	105,721	55,503	161,166	105,663	55,503
Computer systems design and related services	5415	234,332	151,626	82,706	233,943	151,304	82,640
Scientific research and development services	5417	69,483	60,922	8,561	69,347	60,805	8,542
Biotechnology research and development	541711	29,911	27,880	2,031	29,871	27,859	2,012
Physical, engineering, and life sciences (except biotechnology) research and development	541712	38,582	32,052	6,531	38,485	31,955	6,530
Social sciences and humanities research and development	541720	990	990	0	990	990	0
Other professional, scientific, and technical services	other 54	114,124	103,698	10,426	114,085	103,659	10,426
Health care services	621–23	67,799	67,420	379	67,799	67,420	379
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	384,457	316,092	68,365	376,077	308,215	67,862

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		Worldwide	Domestic	Foreign	Worldwide	Domestic	Foreign
All companies (number of domestic employees)	-	12,138,755	9,049,901	3,088,854	11,942,225	8,893,058	3,049,167
Micro companies <sup>c</sup>							
5-9	-	35,082	27,796	7,286	34,868	27,597	7,270
Small companies							
10-19	-	66,068	65,205	863	66,018	65,177	841
20-49	-	189,828	180,807	9,021	D	180,570	D
Medium companies							
50-99	-	179,398	172,345	7,052	D	172,188	D
100-249	-	362,933	317,168	45,765	D	313,334	D
Large companies							
250-499	-	317,412	280,846	36,566	D	279,926	D
500-999	-	423,224	349,397	73,827	408,473	335,182	73,291
1,000-4,999	-	1,728,122	1,292,971	435,152	1,707,749	1,278,636	429,113
5,000-9,999	-	1,360,770	993,904	366,866	D	959,584	D
10,000-24,999	-	2,185,016	1,629,495	555,522	2,130,869	1,577,628	553,241
25,000 or more	-	5,290,902	3,739,967	1,550,935	5,252,259	3,703,234	1,549,025

D = data withheld to avoid disclosing operations of individual companies; i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2012 North American Industry Classification System.

<sup>a</sup> Statistics are representative of companies located in the United States that performed or funded R&D and are comparable to previously published sales statistics from the Business R&D and Innovation Survey.

<sup>b</sup> Statistics are representative of companies located in the United States that performed R&D.

<sup>c</sup> Business R&D and Innovation Survey does not include companies with fewer than five 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.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2015.