

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: 2012

(Millions of U.S. dollars)

Industry and company size	NAICS code	Sales		
		Worldwide	Domestic	Foreign
All industries	21–23, 31–33, 42–81	12,932,098	9,233,431	3,698,667
Manufacturing industries	31–33	8,363,493	5,529,851	2,833,643
Food	311	748,115	528,080	220,035
Beverage and tobacco products	312	328,832	131,712	197,120
Textile, apparel, and leather products	313–16	66,549	54,023	12,526
Wood products	321	32,706	28,924	3,782
Paper	322	105,279	77,954	27,325
Printing and related support activities	323	30,448	25,364	5,083
Petroleum and coal products	324	D	374,656	D
Chemicals	325	1,909,496	1,345,922	563,574
Basic chemicals	3251	780,299	613,636	166,663
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	196,973	145,169	51,804
Pesticide, fertilizer, and other agricultural chemical	3253	43,696	34,037	9,659
Pharmaceuticals and medicines	3254	596,767	380,151	216,616
Soap, cleaning compound, and toilet preparation	3256	191,411	95,790	95,621
Paint, coating, adhesive, and other chemicals	3255, 3259	100,349	77,139	23,211
Plastics and rubber products	326	279,111	193,946	85,165
Nonmetallic mineral products	327	71,916	58,799	13,117
Primary metals	331	175,576	150,728	24,848
Fabricated metal products	332	157,006	129,000	28,006
Machinery	333	635,025	388,468	246,557
Agricultural implement	33311	73,645	46,595	27,050
Semiconductor machinery	333295	18,724	11,472	7,251
Engine, turbine, and power transmission equipment	3336	199,151	114,379	84,772
Other machinery	other 333	343,505	216,021	127,483
Computer and electronic products	334	1,201,488	661,029	540,460
Communications equipment	3342	304,862	169,135	135,728
Semiconductor and other electronic components	3344	303,454	136,161	167,293
Navigational, measuring, electromedical, and control instruments	3345	313,160	222,433	90,727
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	76,624	60,698	15,926
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	112,194	86,426	25,769
Other measuring and controlling device	other 3345	124,342	75,309	49,032
Other computer and electronic products	other 334	280,012	133,300	146,712
Electrical equipment, appliances, and components	335	163,051	111,858	51,194
Transportation equipment	336	1,239,604	910,357	329,247
Automobiles, bodies, trailers, and parts	3361–63	887,590	598,284	289,306
Aerospace products and parts	3364	274,598	246,598	28,000
Aircraft, aircraft engine, and aircraft parts	336411–13	D	230,573	D
Guided missile, space vehicle, and related parts	336414–15, 336419	D	16,024	D
Military armored vehicle, tank, and tank component	336992	D	745	D
Other transportation	other 336	D	64,730	D
Furniture and related products	337	39,874	34,455	5,419
Miscellaneous manufacturing	339	D	324,577	D
Medical equipment and supplies	3391	302,164	237,100	65,064
Other miscellaneous manufacturing	3399	D	87,477	D
Nonmanufacturing industries	21–23, 42–81	4,568,604	3,703,580	865,024
Mining, extraction, and support activities	21	493,301	265,571	227,730
Utilities	22	309,953	305,033	4,919
Wholesale trade	42	333,023	266,753	66,270 i
Electronic shopping and electronic auctions	454111–12	92,556	53,803	38,753
Transportation and warehousing	48–49	162,915	119,391	43,524
Information	51	1,306,221	1,054,016	252,205
Publishing	511	497,433	322,828	174,605
Newspaper, periodical, book, and directory publishers	5111	38,635 i	31,117 i	7,518 i
Software publishers	5112	458,798	291,711	167,087
Telecommunications	517	456,278	446,008	10,270

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Data processing, hosting, and related services	518	204,252	188,253	15,999
Other information	other 51	148,257	96,927	51,330
Finance and insurance	52	1,003,738	939,993	63,745
Real estate and rental and leasing	53	12,233	11,202	1,031
Lessors of nonfinancial intangible assets (except copyrighted works)	533	3,248	2,396	852
Other real estate and rental and leasing	other 53	8,985	8,806	179
Professional, scientific, and technical services	54	441,440	341,527	99,913
Architectural, engineering, and related services	5413	114,621	71,721	42,900
Computer systems design and related services	5415	156,881	120,944	35,938
Scientific research and development services	5417	81,166	71,332	9,834
Biotechnology research and development	541711	21,315	19,682	1,632 i
Physical, engineering, and life sciences (except biotechnology) research and development	541712	58,836	50,638	8,198
Social sciences and humanities research and development	541720	1,016	1,012	4
Other professional, scientific, and technical services	other 54	88,772	77,530	11,242
Health care services	621–23	51,813	50,856	957
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	361,412	295,435	65,976
All companies (number of domestic employees)	–	12,932,098	9,233,431	3,698,667
Small companies <sup>a</sup>				
5–499	–	1,255,416	1,059,564	195,852
5–99	–	461,820	434,751	27,070
5–49	–	293,456	280,601	12,855
5–9	–	49,967	41,848	8,119
10–24	–	94,058	92,644	1,415
25–49	–	149,431	146,110	3,322
50–99	–	168,364	154,149	14,215
100–249	–	484,700	352,975	131,726
250–499	–	308,895	271,839	37,056
Medium and large companies				
500–999	–	389,452	330,036	59,415
1,000–4,999	–	1,690,721	1,231,026	459,696
5,000–9,999	–	1,571,391	1,176,198	395,193
10,000–24,999	–	2,400,784	1,742,153	658,631
25,000 or more	–	5,624,334	3,694,455	1,929,880

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 = 2007 North American Industry Classification System.

<sup>a</sup> The upper bound is based on the U.S. Small Business Administration's definition of a small business; the Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

NOTES: 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. The industry classification is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, classification used for sampling was assigned. Statistics are representative of companies located in the United States that performed or funded R&D.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2012.