

TABLE 2. Worldwide and domestic sales for companies located in the United States that performed or funded R&D, by industry and company size: 2008  
(Millions of U.S. dollars)

Industry and company size	NAICS code	Sales		
		Worldwide	Domestic	Foreign
All industries	21–23, 31–33, 42–81	10,976,518	7,796,340	3,180,177
Manufacturing industries	31–33	7,091,291	4,681,443	2,409,849
Food	311	645,900	476,888	169,012
Beverage and tobacco products	312	192,056	130,661	61,396
Textiles, apparel, and leather products	313–316	168,918	141,481	27,437
Wood products	321	46,421	40,999	5,422
Paper	322	134,898	92,642	42,257
Printing and related support activities	323	20,743	16,597	4,146
Petroleum and coal products	324	D	271,430	D
Chemicals	325	1,394,686	902,410	492,276
Basic chemicals	3251	319,731	173,503	146,228
Resin, synthetic rubber, fibers, and filaments	3252	223,938	180,105	43,833
Pesticide, fertilizer, and other agricultural chemical	3253	40,727	32,021	8,706
Pharmaceuticals and medicines	3254	551,734	371,760	179,975
Soap, cleaning compound, and toilet preparation	3256	167,026	82,981	84,045
Paint, coating, adhesive, and other chemical	3255, 3259	91,529	62,041	29,489
Plastics and rubber products	326	203,730	162,697	41,033
Nonmetallic mineral products	327	95,218	78,828	16,390
Primary metals	331	197,077	154,706	42,370
Fabricated metal products	332	184,727	150,564	34,163
Machinery	333	457,287	278,700	178,587
Agricultural implement	33311	62,014	35,818	26,196
Semiconductor machinery	333295	17,877	7,328	10,549
Engine, turbine, and power transmission equipment	3336	41,120	30,863	10,257
Other machinery	other 333	336,276	204,691	131,585
Computer and electronic products	334	903,181	522,717	380,465
Communications equipment	3342	133,422	86,150	47,273
Semiconductor and other electronic components	3344	197,126	106,658	90,468
Navigational, measuring, electromedical, and control instruments	3345	253,815	180,705	73,110
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	81,999	60,251	21,748
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	98,083	75,426	22,656
Other measuring and controlling instruments	other 3345	73,734	45,028	28,706
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	318,818	149,203	169,614
Electrical equipment, appliances, and components	335	157,687	108,730	48,957
Transportation equipment	336	1,301,336	888,777	412,559
Automobiles, bodies, trailers, and parts	3361–3363	777,516	491,483	286,032
Aerospace products and parts	3364	496,971	372,438	124,533
Aircraft, aircraft engine, and aircraft parts	336411–336413	434,936	316,664	118,272
Guided missile, space vehicle, and related parts	336414, 336415, 336419	62,035	55,774	6,260
Military armored vehicle, tank, and tank components	336992	2,412	2,412	0
Other transportation	other 336	24,437	22,443	1,994
Furniture and related products	337	40,608	34,174	6,434
Miscellaneous manufacturing	339	D	228,441	D
Medical equipment and supplies	3391	181,611	151,700	29,911
Other miscellaneous manufacturing	3399	D	76,742	D
Nonmanufacturing industries	21–23, 42–81	3,885,226	3,114,898	770,328
Mining, extraction, and support activities	21	666,172	409,659	256,514
Utilities	22	332,110	314,855	17,255
Construction	23	99,494	45,544	53,950
Wholesale trade	42	268,134	247,904	20,230
Retail trade	44, 45	D	79,571	D
Electronic shopping and mail-order houses	4541	D	5,030	D

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Other retail trade	other 44, 45	74,541	74,541	0
Transportation and warehousing	48, 49	151,745	126,726	25,019
Information	51	989,653	776,062	213,591
Publishing	511	421,960	273,765	148,195
Newspaper, periodical, book, and directory publishers	5111	20,677	12,314	8,363
Software publishers	5112	401,283	261,451	139,831
Telecommunications	517	357,810	349,363	8,447
Internet service providers, Web search portals, and data processing services	518	144,200	104,885	39,315
Other information	other 51	65,683	48,049	17,635
Finance and insurance	52	431,619	377,279	54,340
Real estate and rental and leasing	53	21,222	18,328	2,894
Professional, scientific, and technical services	54	551,839	453,444	98,395
Architectural, engineering, and related services	5413	59,350	41,642	17,708
Computer systems design and related services	5415	252,143	204,868	47,275
Scientific R&D services	5417	144,899	136,105	8,794
Other professional, scientific, and technical services	other 54	95,447	70,829	24,618
Health care services	621–623	29,806	29,382	425
Other nonmanufacturing	55, 56, 61, 624, 71, 72, 81	D	236,144	D
All companies	21–23, 31–33, 42–81	10,976,518	7,796,340	3,180,177
Small companies (number of employees) <sup>a</sup>				
5–499	–	816,310	737,892	78,418
5–99	–	290,618	270,007	20,611
5–49	–	157,350	147,593	9,757
5–24	–	75,300	73,151	2,149
25–49	–	82,050	74,442	7,607
50–99	–	133,268	122,414	10,854
100–249	–	266,754	242,803	23,950
250–499	–	258,937	225,081	33,856
Medium and large companies (number of employees)				
500–999	–	396,215	328,990	67,225
1,000–4,999	–	1,477,843	1,076,460	401,383
5,000–9,999	–	1,247,866	902,756	345,110
10,000–24,999	–	2,174,107	1,542,122	631,985
25,000 or more	–	4,864,177	3,208,120	1,656,057

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

NAICS = 2002 North American Industry Classification System.

<sup>a</sup> Upper bound based on U.S. Small Business Administration's definition of small business; Business R&D and Innovation Survey (BRDIS) does not include companies with fewer than five domestic employees. After 2008 BRDIS sample was selected and surveyed, an error was identified that resulted in excluding 226,884 single-establishment companies with five paid employees from sample frame. Most excluded establishments were classified in industries with low R&D intensities, such as construction, retail trade, and service sectors. Based on available information for these small single-establishment companies, their contribution to 2008 R&D estimates is estimated to be negligible.

NOTES: Detail may not add to total because of rounding. Industry classification based on 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 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, 2008.