

TABLE 3. Worldwide, domestic, and foreign sales for companies located in the United States that performed or funded R&D, by business activity: 2011
(Millions of U.S. dollars)

Business activity ^a	Business code ^b	Sales		
		Worldwide	Domestic	Foreign
All business activities	21100-81000	12,900,545	9,107,507	3,793,038
Oil and gas extraction	21100	330,736	178,872 i	151,864
Mining	21200	50,655	34,037	16,618
Support activities for mining, including oil and gas	21300	68,157	42,512	25,645
Utilities	22100	364,737	353,405	11,332
Construction	23000	110,783	92,625	18,159
Food manufacturing	31100	691,937	495,942	195,995
Beverage manufacturing	31210	155,427	94,281	61,146
Tobacco manufacturing	31220	140,998	29,645	111,353
Textiles, apparel, and leather products manufacturing	31990	66,478	53,095	13,383
Wood products manufacturing	32100	23,978	21,974	2,004
Paper manufacturing	32200	139,691	100,865	38,825
Printing and related support activities	32300	33,928	27,601	6,328
Petroleum refineries	32401	973,865	579,292	394,572
Asphalt paving, roofing, and saturated materials manufacturing	32402	8,385	8,298	87
Other petroleum and coal products manufacturing, including motor oil, hydraulic fluid, and charcoal	32403	43,103	20,053	23,050
Basic chemicals manufacturing	32510	322,646	206,414	116,232
Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	32520	88,795	58,254	30,541
Pesticide, fertilizer, and other agricultural chemical manufacturing	32530	47,006	33,161	13,844
Pharmaceutical, medicinal, botanical, and biological products (except diagnostic) manufacturing	32541	580,712	417,030	163,683
In-vitro diagnostic substances manufacturing	32542	24,779	13,575	11,204
Soap, cleaning compound, and toilet preparation manufacturing	32591	167,472	70,026	97,446
Paint, adhesive, and other chemical manufacturing	32592	119,607	63,913	55,693
Plastics and rubber products manufacturing	32600	243,199	172,112	71,086
Clay and glass products manufacturing	32710	34,227	21,889	12,338
Cement, concrete, lime, gypsum, and other nonmetallic mineral product manufacturing	32790	32,860	23,279	9,581
Primary metal manufacturing	33100	171,350	141,749	29,601
Fabricated metal products manufacturing	33200	177,229	128,246	48,983
Agricultural machinery and equipment manufacturing	33311	43,418	29,232	14,185
Construction machinery manufacturing	33312	43,248	25,910	17,338
Mining, oil, and gas field machinery and equipment manufacturing	33319	101,756	48,915	52,841
Semiconductor machinery manufacturing	33321	25,961	15,012	10,949
Industrial machinery manufacturing, except semiconductor machinery	33322	46,018	30,136	15,883
Photographic and photocopying equipment manufacturing	33331	D	4,808 i	D
Commercial, service industry, temperature control, and air-flow control machinery manufacturing	33332	73,989	43,573	30,416
Engine, turbine, and power transmission equipment manufacturing	33360	112,783	67,551	45,233
Metalworking and other general purpose machinery manufacturing	33390	112,910	71,109	41,801
Computers and peripheral equipment manufacturing and magnetic and optical media	33412	344,137	176,412	167,725
Telephone apparatus manufacturing including routers, modems, and gateways	33421	114,746	54,607	60,139
Radio, television, and wireless communication equipment manufacturing	33422	44,111	33,911	10,200
Other communication equipment manufacturing, except radio, television, and wireless communication equipment	33429	20,748	12,277	8,471
Audio and video equipment manufacturing	33430	11,277	7,163	4,113
Semiconductor and other electronic components manufacturing	33440	336,583	156,217	180,366
Electromedical, electrotherapeutic, and irradiation apparatus manufacturing	33451	36,973	23,826	13,147
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments manufacturing	33452	47,413	40,087	7,327
Measuring and control instruments manufacturing (not listed elsewhere)	33459	84,096	48,441	35,655
Electrical equipment, appliances, and components manufacturing	33500	163,227	103,327	59,900
Motor vehicles manufacturing	33610	539,665	373,208	166,457

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Motor vehicle body and trailer manufacturing	33620	15,348	14,442	906
Motor vehicle parts manufacturing	33630	217,371	122,397	94,974
Aircraft manufacturing	33641	121,348	111,615	9,733 i
Aircraft engine and engine parts manufacturing	33642	42,511	27,490	15,021
Other aircraft parts and auxiliary equipment manufacturing	33643	55,795	43,202	12,593
Guided missiles, space vehicles and parts manufacturing	33644	D	35,893	D
Railroad rolling stock manufacturing	33651	8,913	7,226	1,688
Ship and boat building	33660	D	11,648	D
Motorcycle, bicycle, and parts manufacturing	33691	8,948	7,422	1,526
Military armored vehicle, tank, and tank component manufacturing	33692	6,247	5,763	484
All other transportation equipment manufacturing	33699	13,416	11,068	2,349
Furniture and related products manufacturing	33700	39,074	32,810	6,264
Medical equipment and supplies manufacturing	33910	304,491	229,809 i	74,682
Miscellaneous manufacturing not listed elsewhere (games, office supplies, slot machines, etc.)	33990	D	79,830	D
Merchant wholesalers, durable goods	42300	186,118	167,733	18,386
Merchant wholesalers, nondurable goods	42400	496,971	267,153	229,817
Wholesale electronic markets and agents and brokers (business to business)	42500	4,245	2,750	1,495 i
Retail trade, except electronic shopping and electronic auctions	44000	105,133	70,581	34,552
Electronic shopping and electronic auctions	45411	D	40,334	D
Transportation	48000	104,959	83,142	21,817
Couriers, messengers, and express delivery services	49200	D	D	D
Warehousing and storage	49300	22,945	21,972	973
Newspaper, periodical, book, and directory publishers (except Internet)	51110	30,941	22,597	8,344
Software publishers (except Internet)	51120	231,276	132,300	98,976
Motion picture and sound recording (except Internet)	51200	14,965	9,824	5,141
Broadcasting (except Internet)	51500	44,052	39,586	4,467
Wired telecommunications carriers	51710	248,913	242,050	6,863
Wireless telecommunications carriers (except satellite)	51720	156,728	156,556	171
Satellite telecommunications	51740	2,710	2,428	282 i
Other telecommunications (not listed elsewhere)	51790	18,817	15,941	2,876
Data processing, hosting, and related services	51800	45,256	36,551	8,706
Other information services including Internet publishing, broadcasting, and Web search portals	51910	39,558	27,907	11,652
Finance: banking and credit intermediation	52200	631,140	601,627	29,513
Securities, commodity contracts, and other financial investments and related activities (including funds and trusts)	52310	152,689	117,234	35,455
Insurance carriers and related activities	52400	276,492	261,417	15,074
Real estate	53100	D	4,719	D
Rental and leasing services	53200	25,888	20,137	5,751 i
Lessors of nonfinancial intangible assets (including patent licensing)	53300	3,216	2,316	900
Legal, accounting, tax preparation, bookkeeping, and payroll services	54111	D	7,259	D
Architectural, engineering, and related services	54130	108,305	70,557	37,747
Specialized design services	54140	2,409	2,235	174
Computer systems design and related services	54150	375,823	222,036	153,787
Management, scientific, and technical consulting services	54160	77,905	52,458	25,447
Research and development services in social sciences and humanities	54172	828	821	7
Research and development services in biotechnology	54173	9,043	7,740	1,303
Research and development services in physical, engineering, and life sciences (except biotechnology)	54174	23,414	19,066	4,348
Advertising and related services	54180	D	40,184	D
Professional, scientific, and technical services (not listed elsewhere)	54190	49,463	44,642	4,821
Management of companies and enterprises	55100	17,544	12,090	5,454
Administrative and support services	56100	58,607	47,183	11,424
Waste management and remediation services	56200	7,450	6,561	889

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Offices of physicians	62110	23,981	23,981	0
Medical and diagnostic laboratories	62150	17,489	16,183	1,305
Other ambulatory health care services (ambulance, dental, home health care)	62199	D	D	D
Hospitals and nursing care facilities	62200	D	16,123	D
Social assistance services	62400	327	327	0
Arts, entertainment, and recreation	71000	16,039	12,741	3,298
Accommodation and food services	72000	39,530	27,571	11,959
Other services (not listed elsewhere)	81000	151,533	138,442	13,091
Less: intersegment eliminations		303,144 S	125,034 S	178,110 S
Undistributed		630,831 i	481,275 i	149,556 i

* = amount < \$500,000; S = negative value due to intersegment eliminations; 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.

^a Data tabulated independent of the industry classification of the company. Companies were asked to report their sales and R&D activity in one or more business activity codes.

^b Business codes and descriptions based on industry definitions from the 2007 North American Industry Classification System.

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. 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, 2011.