

TABLE 9

**Worldwide, domestic, and foreign sales for companies located in the United States that performed or funded R&D, by business activity: 2015**

(Millions of U.S. dollars)

Business activity <sup>a</sup>	Business code <sup>b</sup>	Sales		
		Worldwide	Domestic	Foreign
All business activities	21100–81000	12,138,755	9,049,901	3,088,854
Oil and gas extraction	21100	141,727	71,425	70,302
Mining	21200	D	37,584 <sup>i</sup>	D
Support activities for mining, including oil and gas	21300	76,294	49,059	27,235 <sup>i</sup>
Utilities	22100	345,155	334,688	10,468
Construction	23000	64,240	49,718	14,522
Food manufacturing	31100	768,660	553,923	214,737
Beverage manufacturing	31210	170,693	122,282	48,411
Tobacco manufacturing	31220	D	31,715	D
Textile, apparel, and leather products manufacturing	31990	80,682	66,883	13,798
Wood products manufacturing	32100	33,750	29,017	4,733
Paper manufacturing	32200	168,771	113,735	55,036
Printing and related support activities	32300	48,441	40,372	8,069
Petroleum refineries	32401	512,228	336,274	175,954
Asphalt paving, roofing, and saturated materials manufacturing	32402	10,356	9,724	631
Other petroleum and coal products manufacturing, including motor oil, hydraulic fluid, and charcoal	32403	20,439	11,797	8,643
Basic chemicals manufacturing	32510	212,971	154,369	58,602
Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	32520	93,315	62,312	31,003
Pesticide, fertilizer, and other agricultural chemical manufacturing	32530	72,253	47,038	25,215
Pharmaceutical, medicinal, botanical, and biological products (except diagnostics)	32541	564,077	410,003	154,075
In vitro diagnostic substances manufacturing	32542	14,155	6,219	7,936
Biotechnology-based pharmaceutical and biological products (except diagnostics)	32543	75,775	62,549	13,226
Soap, cleaning compound, and toilet preparations manufacturing	32591	140,512	81,150	59,362
Paint, adhesive, and other chemical manufacturing	32592	107,726	68,584	39,142
Plastics and rubber products manufacturing	32600	201,003	155,868	45,136
Clay and glass products manufacturing	32710	39,842	23,855	15,986
Cement, concrete, lime, gypsum, and other nonmetallic mineral products manufacturing	32790	35,384	27,887	7,496
Primary metal manufacturing	33100	101,531	89,553	11,978
Fabricated metal products manufacturing	33200	192,226	149,613	42,613
Agricultural machinery and equipment manufacturing	33311	53,560	32,055	21,505
Construction machinery manufacturing	33312	56,376	35,849	20,527
Mining, oil, and gas field machinery and equipment manufacturing	33319	74,937	38,215	36,721
Semiconductor machinery manufacturing	33321	24,967	8,529	16,438
Industrial machinery manufacturing (except semiconductor machinery)	33322	39,368	32,739	6,629
Photographic and photocopying equipment manufacturing	33331	8,616	7,136	1,480
Commercial, service industry, temperature control, and air-flow control machinery manufacturing	33332	100,577	72,621	27,956
Digital cameras manufacturing	33333	3,381	1,728	1,653
Engine, turbine, and power transmission equipment manufacturing	33360	83,952	48,797	35,155
Metalworking and other general purpose machinery manufacturing	33390	141,798	100,229	41,569
Computers and peripheral equipment manufacturing and magnetic and optical media	33412	282,890	153,211	129,679
Telephone apparatus manufacturing, including routers, modems, and gateways	33421	202,399 <sup>i</sup>	92,411 <sup>i</sup>	109,988 <sup>i</sup>
Radio, television, and wireless communication equipment manufacturing	33422	50,135	34,951	15,183
Other communication equipment manufacturing (except radio, television, and wireless communication equipment)	33429	16,004	14,678	1,326
Audio and video equipment manufacturing	33430	38,978 <sup>i</sup>	31,815 <sup>i</sup>	7,163 <sup>i</sup>
Semiconductor and other electronic components manufacturing	33440	321,765	177,381	144,384
Electromedical, electrotherapeutic, and irradiation apparatus manufacturing	33451	44,288	28,780	15,507
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments manufacturing	33452	58,697	48,811	9,886 <sup>i</sup>

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		Worldwide	Domestic	Foreign
Measuring and control instruments manufacturing (not listed elsewhere)	33459	98,430	58,712	39,718
Electrical equipment, appliances, and components manufacturing	33500	194,516	143,276	51,241
Motor vehicles manufacturing	33610	646,296	526,675	119,621
Motor vehicle body and trailer manufacturing	33620	23,254	23,107	147
Motor vehicle parts manufacturing	33630	294,083	192,524	101,558
Aircraft manufacturing	33641	147,654	139,077	8,578
Aircraft engine and engine parts manufacturing	33642	36,803	32,463	4,340
Other aircraft parts and auxiliary equipment manufacturing	33643	96,099	76,184	19,915
Guided missiles, space vehicles, and related parts manufacturing	33644	31,706	29,272	2,434 i
Railroad rolling stock manufacturing	33651	19,390	16,135	3,255
Ship and boat building	33660	15,426	13,569	1,858
Motorcycle, bicycle, and parts manufacturing	33691	9,067	7,687	1,381
Military armored vehicle, tank, and tank components manufacturing	33692	4,479	4,294	184
All other transportation equipment manufacturing	33699	14,584	11,479	3,105
Furniture and related products manufacturing	33700	43,674	38,156	5,518
Medical equipment and supplies manufacturing	33910	236,409	155,233	81,175
Miscellaneous manufacturing not listed elsewhere (games, office supplies, slot machines, etc.)	33990	D	95,327	D
Merchant wholesalers, durable goods	42300	256,512	230,363	26,149
Merchant wholesalers, nondurable goods	42400	553,760	393,398	160,363
Wholesale electronic markets and agents and brokers (business to business)	42500	41,303	20,928	20,375
Retail trade (except electronic shopping and electronic auctions)	44000	230,813	214,306	16,507
Electronic shopping and electronic auctions	45411	130,468	86,712 i	43,756 i
Transportation	48000	70,308	56,049	14,259
Couriers, messengers, and express delivery services	49200	D	D	D
Warehousing and storage	49300	3,406	2,307	1,099
Newspaper, periodical, book, and directory publishers (except Internet)	51110	7,018	5,753	1,265
Software publishers (except Internet)	51120	272,848	159,589	113,259
Motion picture and sound recording (except Internet)	51200	7,142	5,203	1,939
Broadcasting (except Internet)	51500	74,474	68,837	5,637 i
Wired telecommunications carriers	51710	216,588	213,921	2,667
Wireless telecommunications carriers (except satellite)	51720	D	210,821	D
Satellite telecommunications	51740	44,405	43,818	587
Other telecommunications (not listed elsewhere)	51790	14,562	13,669	893
Data processing, hosting, and related services	51800	79,161	64,996	14,166
Cloud computing applications and Internet-based software services	51801	33,865	26,701	7,164
Other information services, including Internet publishing, broadcasting, and Web search portals	51910	94,438	53,714	40,724
Finance: banking and credit intermediation	52200	330,761	284,213	46,548
Securities, commodity contracts, and other financial investments and related activities, including funds and trusts	52310	74,799	59,996	14,803 i
Insurance carriers and related activities	52400	420,578	398,777	21,801 i
Real estate	53100	8,537	8,449	88
Rental and leasing services	53200	30,522	24,817	5,705
Lessors of nonfinancial intangible assets, including patent licensing	53300	2,150	1,981	168
Legal, accounting, tax preparation, bookkeeping, and payroll services	54111	22,284	18,560	3,725
Architectural, engineering, and related services	54130	139,864	90,682	49,182
Specialized design services	54140	770	769	2
Computer systems design and related services	54150	243,803	165,438	78,365
Management, scientific, and technical consulting services	54160	92,091	75,643	16,448
Research and development services in social sciences and humanities	54172	D	1,042	D

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		Worldwide	Domestic	Foreign
Research and development services in biotechnology	54173	8,142	6,938	1,204
Research and development services in physical, engineering, and life sciences (except biotechnology)	54174	31,598	26,404	5,194
Advertising and related services	54180	D	38,464	D
Professional, scientific, and technical services (not listed elsewhere)	54190	30,716	27,969	2,747
Management of companies and enterprises	55100	16,181	D	D
Administrative and support services	56100	49,268	23,326	25,942
Waste management and remediation services	56200	24,984	23,157	1,827
Offices of physicians	62110	36,613	36,613	0
Medical and diagnostic laboratories	62150	12,215	11,777	438
Other ambulatory health care services (ambulance, dental, home health care)	62199	5,651	5,651	0
Hospitals and nursing care facilities	62200	27,616	27,485	131
Social assistance services	62400	63	63	0
Arts, entertainment, and recreation	71000	18,844	16,304	2,540
Accommodation and food services	72000	70,812	39,626	31,186
Other services (not listed elsewhere)	81000	73,629	53,720	19,909
Less: intersegment eliminations	-	242,175	128,220	113,955
Undistributed	-	20,627 i	18,890 i	1,737 i

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> Data are tabulated independently 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.

<sup>b</sup> Business codes and descriptions are based on 2012 NAICS industry definitions.

**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. For companies that did not report business codes, the classification used for sampling was assigned. Statistics are representative of companies located in the United States that performed or funded R&D.

**Source(s)**

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