

TABLE 9

Worldwide, domestic, and foreign sales for companies located in the United States that performed or funded R&D, by business activity: 2017

(Millions of U.S. dollars)

Business activity ^a	Business code ^b	Sales		
		Worldwide	Domestic	Foreign
All business activities	21100–81000	12,948,005	9,682,692	3,265,314
Oil and gas extraction	21100	109,273	52,023	57,250
Mining	21200	22,509	17,133	5,376
Support activities for mining, including oil and gas	21300	60,844	37,568	23,277
Utilities	22100	396,134	389,447	6,686
Construction	23000	77,156	71,838	5,318
Food manufacturing	31100	799,010	625,212	173,798
Beverage manufacturing	31210	148,875	95,712	53,163
Tobacco manufacturing	31220	71,720	35,262	36,458
Textile, apparel, and leather products manufacturing	31990	84,497	66,085	18,411
Wood products manufacturing	32100	36,213	32,000	4,213
Paper manufacturing	32200	146,227	110,383	35,844
Printing and related support activities	32300	47,965	39,269	8,696
Petroleum refineries	32401	324,107 - 555,481	324,108	0 - 231,373
Asphalt paving, roofing, and saturated materials manufacturing	32402	16,003	12,998	3,005
Other petroleum and coal products manufacturing, including motor oil, hydraulic fluid, and charcoal	32403	19,161	14,153	5,007
Basic chemicals manufacturing	32510	237,198	168,210	68,988
Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	32520	97,108	58,861	38,247
Pesticide, fertilizer, and other agricultural chemicals manufacturing	32530	73,305	54,774	18,531
Pharmaceutical, medicinal, botanical, and biological products (except diagnostic substances) manufacturing	32541	619,783	478,088	141,695
In vitro diagnostic substances manufacturing	32542	15,914	9,183	6,731
Biotechnology-based pharmaceutical and biological products (except diagnostic substances)	32543	99,127	81,126	18,001
Soap, cleaning compound, and toilet preparations manufacturing	32591	168,785	88,341	80,444
Paint, adhesive, and other chemical manufacturing	32592	127,257	80,003	47,254
Plastics and rubber products manufacturing	32600	227,168	161,672	65,496
Clay and glass products manufacturing	32710	42,173	28,177	13,996
Cement, concrete, lime, gypsum, and other nonmetallic mineral products manufacturing	32790	30,491	26,360	4,130
Primary metal manufacturing	33100	100,878	83,339	17,539
Fabricated metal products manufacturing	33200	175,352	127,982	47,370
Agricultural machinery and equipment manufacturing	33311	60,583	39,296	21,287
Construction machinery manufacturing	33312	59,675	38,879	20,797
Mining, oil, and gas field machinery and equipment manufacturing	33319	63,193	30,135	33,058
Semiconductor machinery manufacturing	33321	37,848	19,812	18,036
Industrial machinery manufacturing (except semiconductor machinery)	33322	36,711	26,111	10,600
Photographic and photocopying equipment manufacturing	33331	7,438	6,513	925
Commercial, service industry, temperature control, and air-flow control machinery manufacturing	33332	104,926	70,030	34,896
Digital cameras manufacturing	33333	5,574	1,433	4,141
Engine, turbine, and power transmission equipment manufacturing	33360	105,285	57,233	48,051
Metalworking and other general purpose machinery manufacturing	33390	117,062	76,941	40,121
Computers and peripheral equipment manufacturing and magnetic and optical media	33412	438,419	230,968	207,452
Telephone apparatus manufacturing, including routers, modems, and gateways	33421	75,277	41,786	33,491
Radio, television, and wireless communication equipment manufacturing	33422	37,605	31,698	5,907

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Other communication equipment manufacturing (except radio, television, and wireless communication equipment)	33429	13,998	11,961	2,037
Audio and video equipment manufacturing	33430	32,459	28,886	3,573
Semiconductor and other electronic components manufacturing	33440	366,749	179,804	186,945
Electromedical, electrotherapeutic, and irradiation apparatus manufacturing	33451	44,539	24,347	20,192
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments manufacturing	33452	65,594	53,381	12,213
Measuring and control instruments manufacturing (not listed elsewhere)	33459	92,340	60,689	31,651
Electrical equipment, appliances, and components manufacturing	33500	184,347	118,813	65,533
Motor vehicles manufacturing	33610	625,969	507,269	118,700
Motor vehicle body and trailer manufacturing	33620	19,883	19,177	706
Motor vehicle parts manufacturing	33630	268,118	179,016	89,102
Aircraft manufacturing	33641	127,450	120,502	6,948
Aircraft engine and engine parts manufacturing	33642	42,094	40,321	1,773
Other aircraft parts and auxiliary equipment manufacturing	33643	101,928	82,023	19,905
Guided missiles, space vehicles, and related parts manufacturing	33644	38,398	36,954	1,444
Railroad rolling stock manufacturing	33651	13,433	8,235	5,198
Ship and boat building	33660	22,585	20,899	1,685
Motorcycle, bicycle, and parts manufacturing	33691	9,187	5,468	3,720
Military armored vehicle, tank, and tank components manufacturing	33692	11,267	9,629	1,638
All other transportation equipment manufacturing	33699	14,717	11,606	3,111
Furniture and related products manufacturing	33700	46,246	42,418	3,828
Medical equipment and supplies manufacturing	33910	244,936	161,449	83,487
Miscellaneous manufacturing not listed elsewhere (games, office supplies, slot machines, etc.)	33990	121,824	87,312	34,512
Merchant wholesalers, durable goods	42300	254,445	191,142	63,303
Merchant wholesalers, nondurable goods	42400	527,563	367,555	160,008
Wholesale electronic markets and agents and brokers (business to business)	42500	20,879	20,549	331
Retail trade (except electronic shopping and electronic auctions)	44000	390,679	371,991	18,688
Electronic shopping and electronic auctions	45411	201,534	138,396	63,138
Transportation	48000	196,106	158,870	37,236
Couriers, messengers, and express delivery services	49200	84,691	64,033	20,659
Warehousing and storage	49300	14,230	8,900	5,330
Newspaper, periodical, book, and directory publishers (except Internet)	51110	6,190	4,509	1,681
Software publishers (except Internet)	51120	232,939	135,245	97,694
Motion picture and sound recording (except Internet)	51200	9,119	6,477	2,642
Broadcasting (except Internet)	51500	88,173	71,374	16,799
Wired telecommunications carriers	51710	221,017	218,689	2,328
Wireless telecommunications carriers (except satellite)	51720	199,344 - 430,718	199,345	0 - 231,373
Satellite telecommunications	51740	57,078	56,785	293
Other telecommunications (not listed elsewhere)	51790	15,164	13,438	1,726
Data processing, hosting, and related services	51800	73,963	55,062	18,901
Cloud computing applications and Internet-based software services	51801	98,001	77,055	20,946
Other information services, including Internet publishing, broadcasting, and Web search portals	51910	164,943	108,357	56,586
Finance: banking and credit intermediation	52200	471,876	400,158	71,719
Securities, commodity contracts, and other financial investments and related activities, including funds and trusts	52310	102,511	83,735	18,776
Insurance carriers and related activities	52400	312,714	294,274	18,440
Real estate	53100	11,173	11,080	93

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Rental and leasing services	53200	25,351	17,228	8,123
Lessors of nonfinancial intangible assets, including patent licensing	53300	4,713	4,000	712
Legal, accounting, tax preparation, bookkeeping, and payroll services	54111	19,827	17,275	2,552
Architectural, engineering, and related services	54130	90,076	69,096	20,979
Specialized design services	54140	4,160 i	2,228 i	1,932 i
Computer systems design and related services	54150	225,307	153,903	71,405
Management, scientific, and technical consulting services	54160	49,336	42,365	6,971
Research and development services in social sciences and humanities	54172	1,300	1,294	5
Research and development services in biotechnology	54173	9,401	6,341	3,060
Research and development services in physical, engineering, and life sciences (except biotechnology)	54174	39,842	29,560	10,282
Advertising and related services	54180	107,770	52,826	54,944
Professional, scientific, and technical services (not listed elsewhere)	54190	25,732	23,515	2,217
Management of companies and enterprises	55100	18,063	16,387	1,677
Administrative and support services	56100	59,208	30,881	28,327
Waste management and remediation services	56200	22,541	21,190	1,351
Offices of physicians	62110	63,828	63,827	1
Medical and diagnostic laboratories	62150	31,160	29,465	1,695
Other ambulatory health care services (ambulance, dental, home health care)	62199	11,101	10,562	539
Hospitals and nursing care facilities	62200	34,370	34,370	0
Social assistance services	62400	112	112	0
Arts, entertainment, and recreation	71000	25,033	19,384	5,649
Accommodation and food services	72000	32,190	25,877	6,313
Other services (not listed elsewhere)	81000	220,241 - 451,615	220,242	0 - 231,373
Less: intersegment eliminations	-	190,205	116,556	73,649
Undistributed	-	0	0	0

i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2012 North American Industry Classification System.

^a Data are 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 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. An estimate range may be displayed in place of a single estimate to avoid disclosing operations of individual companies.

Source(s)

National Center for Science and Engineering Statistics and U.S. Census Bureau, Business Research and Development Survey, 2017.