

TABLE 9

Worldwide, domestic, and foreign sales for companies located in the United States that performed or funded R&D, by business activity: 2020

(Millions of U.S. dollars)

Business activity ^a	Business code ^b	Sales		
		Worldwide	Domestic	Foreign
All business activities	21100–81000	14,863,520	11,296,552	3,566,968
Oil and gas extraction	21100	119,553	80,518	39,035
Mining	21200	15,337	13,947	1,391
Support activities for mining, including oil and gas	21300	53,272	28,322	24,950
Utilities	22100	288,292	286,719	1,573
Construction	23000	99,239	88,849	10,390
Food manufacturing	31100	795,967	583,067	212,900
Beverage manufacturing	31210	131,037	89,778	41,259
Tobacco manufacturing	31220	75,788	42,949	32,838
Textile, apparel, and leather products manufacturing	31990	80,098	56,047	24,051
Wood products manufacturing	32100	43,662	40,526	3,136
Paper manufacturing	32200	138,038	104,681	33,357
Printing and related support activities	32300	36,160	32,542	3,617
Petroleum refineries	32401	378,920	235,776	143,144
Asphalt paving, roofing, and saturated materials manufacturing	32402	18,932	16,003	2,929
Other petroleum and coal products manufacturing, including motor oil, hydraulic fluid, and charcoal	32403	8,947	8,476	471
Basic chemicals manufacturing	32510	253,285	160,717	92,568
Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	32520	96,423	57,106	39,317
Pesticide, fertilizer, and other agricultural chemicals manufacturing	32530	67,234	56,369	10,865
Pharmaceutical, medicinal, botanical, and biological products (except diagnostic substances) manufacturing	32541	707,023	539,191	167,833
In vitro diagnostic substances manufacturing	32542	18,981	12,134	6,846
Biotechnology-based pharmaceutical and biological products (except diagnostic substances)	32543	126,405	115,183	11,222
Soap, cleaning compound, and toilet preparations manufacturing	32591	182,299	100,581	81,718
Paint, adhesive, and other chemical manufacturing	32592	121,547	78,266	43,281
Plastics and rubber products manufacturing	32600	242,938	179,939	62,999
Clay and glass products manufacturing	32710	34,344	19,924	14,420
Cement, concrete, lime, gypsum, and other nonmetallic mineral products manufacturing	32790	44,002	37,810	6,192
Primary metal manufacturing	33100	103,454	79,274	24,180
Fabricated metal products manufacturing	33200	194,912	145,289	49,623
Agricultural machinery and equipment manufacturing	33311	57,227	36,219	21,008
Construction machinery manufacturing	33312	70,632	45,082	25,549
Mining, oil, and gas field machinery and equipment manufacturing	33319	55,194	22,695	32,500
Semiconductor machinery manufacturing	33321	49,278	26,287	22,992
Industrial machinery manufacturing (except semiconductor machinery)	33322	49,728	38,435	11,293
Photographic and photocopying equipment manufacturing	33331	1,441 - 233,432	1,442	0 - 231,989
Commercial, service industry, temperature control, and air-flow control machinery manufacturing	33332	93,455	66,485	26,969
Digital cameras manufacturing	33333	0 - 308,046	0 - 76,100	0 - 231,989
Engine, turbine, and power transmission equipment manufacturing	33360	103,655	52,517	51,138
Metalworking and other general purpose machinery manufacturing	33390	94,049	69,055	24,994
Computers and peripheral equipment manufacturing and magnetic and optical media	33412	454,712	215,104	239,608
Telephone apparatus manufacturing, including routers, modems, and gateways	33421	70,064	40,719	29,345

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Radio, television, and wireless communication equipment manufacturing	33422	34,841	27,773	7,068
Other communication equipment manufacturing (except radio, television, and wireless communication equipment)	33429	18,857	16,632	2,225
Audio and video equipment manufacturing	33430	16,369	13,107	3,261
Semiconductor and other electronic components manufacturing	33440	417,763	238,082	179,681
Electromedical, electrotherapeutic, and irradiation apparatus manufacturing	33451	45,318	27,312	18,006
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments manufacturing	33452	78,507	62,502	16,005
Measuring and control instruments manufacturing (not listed elsewhere)	33459	95,097	62,669	32,428
Electrical equipment, appliances, and components manufacturing	33500	203,459	134,384	69,075
Motor vehicles manufacturing	33610	458,784	353,992	104,792
Motor vehicle body and trailer manufacturing	33620	30,296	25,704	4,592
Motor vehicle parts manufacturing	33630	235,737	149,479	86,258
Aircraft manufacturing	33641	120,779	114,603	6,176
Aircraft engine and engine parts manufacturing	33642	42,793	29,630	13,164
Other aircraft parts and auxiliary equipment manufacturing	33643	68,917	60,083	8,835
Guided missiles, space vehicles, and related parts manufacturing	33644	43,696	38,386	5,309
Railroad rolling stock manufacturing	33651	16,854	9,421	7,433
Ship and boat building	33660	18,208	16,342	1,866
Motorcycle, bicycle, and parts manufacturing	33691	9,705	5,548	4,157
Military armored vehicle, tank, and tank components manufacturing	33692	10,766	9,398	1,367
All other transportation equipment manufacturing	33699	21,046	19,166	1,880
Furniture and related products manufacturing	33700	57,220	49,950	7,270
Medical equipment and supplies manufacturing	33910	515,125	403,496	111,629
Miscellaneous manufacturing not listed elsewhere (games, office supplies, slot machines, etc.)	33990	149,045	100,331	48,714
Merchant wholesalers, durable goods	42300	185,285	159,409	25,876
Merchant wholesalers, nondurable goods	42400	645,419	513,510	131,910
Wholesale electronic markets and agents and brokers (business to business)	42500	20,637	19,901	736
Retail trade (except electronic shopping and electronic auctions)	44000	685,031	607,899	77,133
Electronic shopping and electronic auctions	45411	212,463 - 444,454	212,464	0 - 231,989
Transportation	48000	223,100	181,873	41,227
Couriers, messengers, and express delivery services	49200	0 - 308,046	0 - 76,100	231,989
Warehousing and storage	49300	17,095	11,394	5,701
Newspaper, periodical, book, and directory publishers (except Internet)	51110	6,869	5,379	1,490
Software publishers (except Internet)	51120	238,475	149,734	88,742
Motion picture and sound recording (except Internet)	51200	36,035	33,955	2,081
Broadcasting (except Internet)	51500	168,015	131,464	36,550
Wired telecommunications carriers	51710	150,710	146,787	3,923
Wireless telecommunications carriers (except satellite)	51720	254,772	253,127	1,645
Satellite telecommunications	51740	45,199	45,008	192
Other telecommunications (not listed elsewhere)	51790	23,263	17,041	6,222
Data processing, hosting, and related services	51800	102,570	69,438	33,132
Cloud computing applications and Internet-based software services	51801	323,266	226,559	96,707
Other information services, including Internet publishing, broadcasting, and Web search portals	51910	390,595	275,283	115,312
Finance: banking and credit intermediation	52200	637,872	574,077	63,795

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Securities, commodity contracts, and other financial investments and related activities, including funds and trusts	52310	129,354	94,127	35,227
Insurance carriers and related activities	52400	914,331	883,590	30,741 i
Real estate	53100	11,841	11,840	1
Rental and leasing services	53200	10,127	6,941	3,186
Lessors of nonfinancial intangible assets, including patent licensing	53300	3,191 - 235,182	3,192	0 - 231,989
Legal, accounting, tax preparation, bookkeeping, and payroll services	54111	29,108	26,798	2,311
Architectural, engineering, and related services	54130	95,540	81,207	14,333
Specialized design services	54140	1,439 - 233,430	1,440	0 - 231,989
Computer systems design and related services	54150	229,217	145,903	83,314
Management, scientific, and technical consulting services	54160	59,488	54,222	5,265
Research and development services in the social sciences and humanities	54172	1,016	1,003	13
Research and development services in biotechnology	54173	13,779	9,617	4,162
Research and development services in the physical, engineering, and life sciences (except biotechnology)	54174	54,377	41,331	13,047 i
Research and development services in nanotechnology	54175	362 i	362 i	0
Advertising and related services	54180	101,585 - 333,576	101,586	0 - 231,989
Professional, scientific, and technical services (not listed elsewhere)	54190	34,696	32,008	2,688
Management of companies and enterprises	55100	11,906 i	11,700 i	206 i
Administrative and support services	56100	63,563	55,353	8,211
Waste management and remediation services	56200	2,613 - 234,604	2,614	0 - 231,989
Offices of physicians	62110	65,797	65,797	0
Medical and diagnostic laboratories	62150	52,328	48,069	4,258 i
Other ambulatory health care services (ambulance, dental, home health care)	62199	30,615	26,979	3,636
Hospitals and nursing care facilities	62200	44,662	44,662	0
Social assistance services	62400	1,825	1,825	0
Arts, entertainment, and recreation	71000	17,465	14,352	3,112
Accommodation and food services	72000	52,941	35,098	17,843
Other services (not listed elsewhere)	81000	86,353	65,440	20,913
Less: intersegment eliminations	-	215,380	152,870	62,510
Undistributed	-	0	0	0

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

^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 2017 North American Industry Classification System 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 \$50,000 or more of R&D and are not comparable with estimates published for years prior to 2018. 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 Census Bureau, Business Enterprise Research and Development Survey, 2020.