

Table 9. Worldwide, domestic, and foreign sales for companies located in the United States that performed or funded R&D, by business activity: 2024

(Millions of U.S. dollars)

Business activity ^a	Business code ^b	Sales		
		Worldwide	Domestic	Foreign
All business activities	21100–81000	19,503,626	15,135,435	4,368,191
Oil and gas extraction	21100	198,109	129,762	68,347
Mining	21200	11,733	11,575	157
Support activities for mining, including oil and gas	21300	64,928	42,900	22,027
Utilities	22100	421,651	414,946	6,705
Construction	23000	124,828	121,262	3,566
Food manufacturing	31100	973,868	755,290	218,578
Beverage manufacturing	31210	212,509	144,375	68,134
Tobacco manufacturing	31220	84,776	46,047	38,729
Textile, apparel, and leather products manufacturing	31990	89,813	57,165	32,648
Wood products manufacturing	32100	68,371	61,564	6,807
Paper manufacturing	32200	158,204	126,627	31,577
Printing and related support activities	32300	40,007	33,168	6,839
Petroleum refineries	32401	583,521	320,224	263,297
Asphalt paving, roofing, and saturated materials manufacturing	32402	21,677	21,133	545
Other petroleum and coal products manufacturing, including motor oil, hydraulic fluid, and charcoal	32403	12,969	11,559	1,410
Basic chemicals manufacturing	32510	290,892	201,186	89,706
Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	32520	112,507	66,632	45,875
Pesticide, fertilizer, and other agricultural chemicals manufacturing	32530	93,794	75,947	17,848
Pharmaceutical, medicinal, botanical, and biological products (except diagnostic substances) manufacturing	32541	899,307	704,655	194,652
In vitro diagnostic substances manufacturing	32542	22,677	15,125	7,551
Biotechnology-based pharmaceutical and biological products (except diagnostic substances)	32543	209,551	184,249	25,303
Soap, cleaning compound, and toilet preparations manufacturing	32591	177,575	106,854	70,722
Paint, adhesive, and other chemical manufacturing	32592	137,407	89,856	47,551
Plastics and rubber products manufacturing	32600	217,534	161,523	56,011
Clay and glass products manufacturing	32710	41,205	25,768	15,437
Cement, concrete, lime, gypsum, and other nonmetallic mineral products manufacturing	32790	51,166	45,511	5,655
Primary metal manufacturing	33100	173,708	155,107	18,602
Fabricated metal products manufacturing	33200	229,116	180,898	48,217
Agricultural machinery and equipment manufacturing	33311	74,986	48,374	26,613
Construction machinery manufacturing	33312	90,391	64,399	25,992
Mining, oil, and gas field machinery and equipment manufacturing	33319	62,573	33,881	28,692
Semiconductor machinery manufacturing	33321	81,546	28,511	53,035
Industrial machinery manufacturing (except semiconductor machinery)	33322	51,285	35,703	15,582
Photographic and photocopying equipment manufacturing	33331	1,142	976	166
Commercial, service industry, temperature control, and air-flow control machinery manufacturing	33332	161,322	123,617	37,705
Digital cameras manufacturing	33333	1,491	1,382	109
Engine, turbine, and power transmission equipment manufacturing	33360	146,751	81,769	64,982
Metalworking and other general purpose machinery manufacturing	33390	120,450	85,733	34,717
Computers and peripheral equipment manufacturing and magnetic and optical media	33412	550,275	222,097	328,178
Telephone apparatus manufacturing, including routers, modems, and gateways	33421	78,783	45,947	32,836
Radio, television, and wireless communication equipment manufacturing	33422	44,450	37,612	6,838
Other communication equipment manufacturing (except radio, television, and wireless communication equipment)	33429	17,702	12,699	5,002
Audio and video equipment manufacturing	33430	16,420	12,536	3,884

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Semiconductor and other electronic components manufacturing	33440	544,914	274,806	270,108
Electromedical, electrotherapeutic, and irradiation apparatus manufacturing	33451	51,990	35,658	16,331
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments manufacturing	33452	68,566	60,537	8,030
Measuring and control instruments manufacturing (not listed elsewhere)	33459	120,881	74,960	45,920
Electrical equipment, appliances, and components manufacturing	33500	213,046	165,182	47,864
Motor vehicles manufacturing	33610	954,746	787,033	167,712
Motor vehicle body and trailer manufacturing	33620	32,084	30,326	1,758
Motor vehicle parts manufacturing	33630	289,303	200,247	89,056
Aircraft manufacturing	33641	139,561	132,075	7,486
Aircraft engine and engine parts manufacturing	33642	81,043	45,630	35,413
Other aircraft parts and auxiliary equipment manufacturing	33643	92,401	76,950	15,451
Guided missiles, space vehicles, and related parts manufacturing	33644	79,793 i	62,189	17,604 i
Railroad rolling stock manufacturing	33651	15,497	9,660	5,837
Ship and boat building	33660	24,612	22,118	2,494
Motorcycle, bicycle, and parts manufacturing	33691	11,430	7,548	3,882
Military armored vehicle, tank, and tank components manufacturing	33692	8,908	8,081	827
All other transportation equipment manufacturing	33699	28,769	24,645	4,124
Furniture and related products manufacturing	33700	47,047	38,973	8,073
Medical equipment and supplies manufacturing	33910	409,051	280,178	128,874
Miscellaneous manufacturing not listed elsewhere (games, office supplies, slot machines, etc.)	33990	113,418	87,128	26,290
Merchant wholesalers, durable goods	42300	357,365	323,214	34,151
Merchant wholesalers, nondurable goods	42400	829,503	730,008	99,494
Wholesale electronic markets and agents and brokers (business to business)	42500	17,144	16,749	395
Retail trade (except electronic shopping and electronic auctions)	44000	864,333	818,546	45,787
Electronic shopping and electronic auctions	45411	355,453 i	331,313 i	24,140 i
Transportation	48000	360,506	267,627	92,879
Couriers, messengers, and express delivery services	49200	D	97,144	D
Warehousing and storage	49300	4,996	4,132	864
Newspaper, periodical, book, and directory publishers (except Internet)	51110	13,925	12,143 i	1,782
Software publishers (except Internet)	51120	361,733	218,910	142,824
Motion picture and sound recording (except Internet)	51200	D	1,235 i	D
Broadcasting (except Internet)	51500	159,090	126,432	32,657
Wired telecommunications carriers	51710	150,459	148,445	2,015
Wireless telecommunications carriers (except satellite)	51720	308,557	303,491	5,066
Satellite telecommunications	51740	13,446	12,105	1,341
Other telecommunications (not listed elsewhere)	51790	26,542	20,833	5,709
Data processing, hosting, and related services	51800	141,922	101,576	40,346
Cloud computing applications and Internet-based software services	51801	522,645	405,193	117,451
Other information services, including Internet publishing, broadcasting, and Web search portals	51910	516,997	265,612	251,385
Finance: banking and credit intermediation	52200	893,661	791,799	101,862
Securities, commodity contracts, and other financial investments and related activities, including funds and trusts	52310	228,930	178,240	50,690
Insurance carriers and related activities	52400	987,948	962,089	25,859 i
Real estate	53100	31,525	31,364	162
Rental and leasing services	53200	90,693	76,736	13,958
Lessors of nonfinancial intangible assets, including patent licensing	53300	11,859	10,252	1,607
Legal, accounting, tax preparation, bookkeeping, and payroll services	54111	53,165	48,435	4,730
Architectural, engineering, and related services	54130	125,636	109,625	16,011
Specialized design services	54140	2,053 r	2,032 r	21

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Computer systems design and related services	54150	298,464	252,793	45,671
Management, scientific, and technical consulting services	54160	103,398	83,448	19,950
Research and development services in the social sciences and humanities	54172	1,304	1,299	4
Research and development services in biotechnology	54173	17,335	13,603	3,732
Research and development services in the physical, engineering, and life sciences (except biotechnology)	54174	63,418	48,889	14,528
Research and development services in nanotechnology	54175	2,363	1,721	642
Advertising and related services	54180	D	198,914	D
Professional, scientific, and technical services (not listed elsewhere)	54190	51,760	43,893	7,867
Management of companies and enterprises	55100	15,969	15,893	76
Administrative and support services	56100	119,463	75,543	43,921
Waste management and remediation services	56200	3,998	3,316	681
Offices of physicians	62110	55,713	55,646	67
Medical and diagnostic laboratories	62150	36,760	31,965	4,795 i
Other ambulatory health care services (ambulance, dental, home health care)	62199	13,800	13,182	618
Hospitals and nursing care facilities	62200	36,137	36,037	100
Social assistance services	62400	121	121	0
Arts, entertainment, and recreation	71000	D	32,202 i	D
Accommodation and food services	72000	68,435	62,266	6,169
Other services (not listed elsewhere)	81000	401,797 i	363,800 i	37,996
Less: intersegment eliminations	–	266,080	184,445	81,635
Undistributed ^c	–	0	0	0

D = data withheld to avoid disclosing operations of individual companies; i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse; r = relative standard error is more than 50%.

^a Business activity 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.

^c Undistributed includes data reported that were not allocated to a business activity.

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.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2024.