

TABLE 37. Domestic R&D paid for by other companies and performed by the company, by funders' business activity: 2014

Funders' business activity ^a	Business code ^b	Amount
All business activities	21100–81000	30,473
Oil and gas extraction	21100	402
Mining	21200	0
Support activities for mining, including oil and gas	21300	394
Utilities	22100	158
Construction	23000	1 i
Food manufacturing	31100	199
Beverage manufacturing	31210	110
Tobacco manufacturing	31220	4
Textile, apparel, and leather products manufacturing	31990	5 i
Wood products manufacturing	32100	9 i
Paper manufacturing	32200	8 i
Printing and related support activities	32300	17
Petroleum refineries	32401	9
Asphalt paving, roofing, and saturated materials manufacturing	32402	5
Other petroleum and coal products manufacturing, including motor oil, hydraulic fluid, and charcoal	32403	9
Basic chemicals manufacturing	32510	277
Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	32520	6
Pesticide, fertilizer, and other agricultural chemical manufacturing	32530	D
Pharmaceutical, medicinal, botanical, and biological products (except diagnostic) manufacturing	32541	11,254
In vitro diagnostic substances manufacturing	32542	9
Biotechnology-based pharmaceutical and biological products (except diagnostics)	32543	1,572 i
Soap, cleaning compound, and toilet preparations manufacturing	32591	40
Paint, adhesive, and other chemical manufacturing	32592	15 i
Plastics and rubber products manufacturing	32600	158 i
Clay and glass products manufacturing	32710	5 i
Cement, concrete, lime, gypsum, and other nonmetallic mineral products manufacturing	32790	14
Primary metal manufacturing	33100	22
Fabricated metal products manufacturing	33200	148
Agricultural machinery and equipment manufacturing	33311	39
Construction machinery manufacturing	33312	10
Mining, oil, and gas field machinery and equipment manufacturing	33319	50
Semiconductor machinery manufacturing	33321	137
Industrial machinery manufacturing (except semiconductor machinery)	33322	139 i
Photographic and photocopying equipment manufacturing	33331	48
Commercial, service industry, temperature control, and air-flow control machinery manufacturing	33332	310 i
Digital cameras manufacturing	33333	0
Engine, turbine, and power transmission equipment manufacturing	33360	81
Metalworking and other general purpose machinery manufacturing	33390	60 i
Computers and peripheral equipment manufacturing and magnetic and optical media ^c	33412	45
Telephone apparatus manufacturing, including routers, modems, and gateways	33421	2 i
Radio, television, and wireless communication equipment manufacturing	33422	729
Other communication equipment manufacturing, (except radio, television, and wireless communication equipment)	33429	54
Audio and video equipment manufacturing	33430	29 i

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Semiconductor and other electronic components manufacturing	33440	1,046
Electromedical, electrotherapeutic, and irradiation apparatus manufacturing	33451	152
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments manufacturing	33452	665
Measuring and control instruments manufacturing (not listed elsewhere)	33459	128
Electrical equipment, appliances, and components manufacturing	33500	1,010
Motor vehicles manufacturing	33610	1,511
Motor vehicle body and trailer manufacturing	33620	11
Motor vehicle parts manufacturing	33630	410
Aircraft manufacturing	33641	195 i
Aircraft engine and engine parts manufacturing	33642	225
Other aircraft parts and auxiliary equipment manufacturing	33643	491
Guided missiles, space vehicles, and related parts manufacturing	33644	394
Railroad rolling stock manufacturing	33651	1
Ship and boat building	33660	12
Motorcycle, bicycle, and parts manufacturing	33691	6
Military armored vehicle, tank, and tank components manufacturing	33692	3
All other transportation equipment manufacturing	33699	97
Furniture and related products manufacturing	33700	1 i
Medical equipment and supplies manufacturing	33910	584
Miscellaneous manufacturing not listed elsewhere (games, office supplies, slot machines, etc.)	33990	62 i
Merchant wholesalers, durable goods	42300	12 i
Merchant wholesalers, nondurable goods	42400	*
Wholesale electronic markets and agents and brokers (business to business)	42500	0
Retail trade (except electronic shopping and electronic auctions)	44000	1 i
Electronic shopping and electronic auctions	45411	0
Transportation	48000	4
Couriers, messengers, and express delivery services	49200	*
Warehousing and storage	49300	*
Newspaper, periodical, book, and directory publishers (except Internet)	51110	0
Software publishers (except Internet)	51120	1,225
Motion picture and sound recording (except Internet)	51200	4 i
Broadcasting (except Internet)	51500	0
Wired telecommunications carriers	51710	2 i
Wireless telecommunications carriers (except satellite)	51720	25
Satellite telecommunications	51740	* i
Other telecommunications (not listed elsewhere)	51790	15 i
Data processing, hosting, and related services	51800	14 i
Cloud computing applications and Internet-based software services	51801	15 i
Other information services, including Internet publishing, broadcasting, and Web search portals	51910	88
Finance: banking and credit intermediation	52200	1
Securities, commodity contracts, and other financial investments and related activities, including funds and trusts	52310	0
Insurance carriers and related activities	52400	1
Real estate	53100	0
Rental and leasing services	53200	1
Lessors of nonfinancial intangible assets, including patent licensing	53300	0

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Funders' business activity ^a	Business code ^b	Amount
Legal, accounting, tax preparation, bookkeeping, and payroll services	54111	* i
Architectural, engineering, and related services	54130	217 i
Specialized design services	54140	90
Computer systems design and related services	54150	1,534 i
Management, scientific, and technical consulting services	54160	96
R&D services in social sciences and humanities	54172	7
R&D services in biotechnology	54173	1,490
R&D services in physical, engineering, and life sciences (except biotechnology)	54174	706
Advertising and related services	54180	* i
Professional, scientific, and technical services (not listed elsewhere)	54190	463
Management of companies and enterprises	55100	0
Administrative and support services	56100	3
Waste management and remediation services	56200	4
Offices of physicians	62110	19 i
Medical and diagnostic laboratories	62150	589
Other ambulatory health care services (ambulance, dental, home health care)	62199	2 i
Hospitals and nursing care facilities	62200	20
Social assistance services	62400	0
Arts, entertainment, and recreation	71000	D
Accommodation and food services	72000	*
Other services (not listed elsewhere)	81000	88
Undistributed	-	0

* = amount < \$500,000; 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.

^a Data tabulated independent of the industry classification and business activities of the company that performs R&D.

^b Business codes and descriptions are based on NAICS industry definitions.

^c Estimates for this business code may not be comparable to those from prior years due to the introduction of a related business code for survey year 2014: 33333, Digital cameras manufacturing.

NOTES: 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. For an R&D performer that did not report the R&D funders' business activities, no systematic imputation of these business activities was conducted. The business activities of the R&D funders may not be assumed to be the same as those of the R&D performer.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2014.