

TABLE 61

Total patent licensing revenue of companies located in the United States that performed or funded R&D, by industry and company size: 2016

(Millions of U.S. dollars)

Industry and company size	NAICS code	Revenue ^a
All industries	21–23, 31–33, 42–81	18,145
Manufacturing industries	31–33	15,956
Food	311	103
Beverages and tobacco products	312	1
Textiles, apparel, and leather products	313–16	7
Wood products	321	*
Paper	322	7
Printing and related support activities	323	0
Petroleum and coal products	324	60
Chemicals	325	5,452
Basic chemicals	3251	79
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	16
Pesticides, fertilizers, and other agricultural chemicals	3253	3
Pharmaceuticals and medicines	3254	5,334
Soaps, cleaning compounds, and toilet preparations	3256	5
Paints, coating, adhesives, and other chemicals	3255, 3259	16
Plastics and rubber products	326	484
Nonmetallic mineral products	327	39
Primary metals	331	23
Fabricated metal products	332	9
Machinery	333	341
Agricultural implements	33311	D
Semiconductor machinery	333242	D
Engines, turbines, and power transmission equipment	3336	2
Other machinery	other 333	289
Computer and electronic products	334	7,853
Communications equipment	3342	705
Semiconductors and other electronic components	3344	6,801
Navigational, measuring, electromedical, and control instruments	3345	223
Electromedical, electrotherapeutic, and irradiation apparatuses	334510, 334517	1
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	2
Other measuring and controlling devices	other 3345	220
Other computer and electronic products	other 334	124
Electrical equipment, appliances, and components	335	411
Transportation equipment	336	659
Automobiles, bodies, trailers, and parts	3361–63	643
Aerospace products and parts	3364	14
Aircraft, aircraft engines, and aircraft parts	336411–13	11
Guided missiles, space vehicles, and related parts	336414–15, 336419	3
Military armored vehicles, tanks, and tank components	336992	0
Other transportation	other 336	2
Furniture and related products	337	24
Miscellaneous manufacturing	339	481
Medical equipment and supplies	3391	409
Other miscellaneous manufacturing	3399	73
Nonmanufacturing industries	21–23, 42–81	2,189
Mining, extraction, and support activities	21	331
Utilities	22	0
Wholesale trade	42	14
Electronic shopping and electronic auctions	454111–12	0

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Industry and company size	NAICS code	Revenue ^a
Transportation and warehousing	48-49	0
Information	51	1,094
Publishing	511	123
Newspaper, periodical, book, and directory publishers	5111	0
Software publishers	5112	123
Telecommunications	517	51
Data processing, hosting, and related services	518	450
Other information	other 51	470
Finance and insurance	52	467
Real estate and rental and leasing	53	0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	0
Other real estate and rental and leasing	other 53	0
Professional, scientific, and technical services	54	283
Architectural, engineering, and related services	5413	10
Computer systems design and related services	5415	129
Scientific research and development services	5417	89
Biotechnology research and development	541711	26
Physical, engineering, and life sciences (except biotechnology) research and development	541712	62
Social sciences and humanities research and development	541720	*
Other professional, scientific, and technical services	other 54	56
Health care services	621-23	*
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	0
All companies (number of domestic employees)	-	18,145
Micro companies ^b		
5-9	-	37
Small companies		
10-19	-	72
20-49	-	186
Medium companies		
50-99	-	214
100-249	-	467
Large companies		
250-499	-	1,180
500-999	-	559
1,000-4,999	-	2,443
5,000-9,999	-	1,541
10,000-24,999	-	8,740
25,000 or more	-	2,704

* = 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 Amounts received from all patent licensing activities during 2016.

^b Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

Note(s)

Statistics are representative of companies in the United States that were eligible to receive Form BRDI-1 and performed or funded R&D. Detail may not add to total because of rounding. Industry classification is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2016.