

TABLE 61

**Total patent licensing revenue of companies located in the United States that performed or funded R&D, by industry and company size: 2017**

(Millions of U.S. dollars)

Industry and company size	NAICS code	Revenue <sup>a</sup>
All industries	21-23, 31-33, 42-81	20,347
Manufacturing industries	31-33	18,022
Food	311	185
Beverage and tobacco products	312	1
Textile, apparel, and leather products	313-16	9
Wood products	321	*
Paper	322	63
Printing and related support activities	323	4
Petroleum and coal products	324	14
Chemicals	325	6,307
Basic chemicals	3251	108
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	5
Pesticide, fertilizer, and other agricultural chemicals	3253	7
Pharmaceuticals and medicines	3254	6,118
Soap, cleaning compound, and toilet preparation	3256	4
Paint, coating, adhesive, and other chemicals	3255, 3259	65 i
Plastics and rubber products	326	566
Nonmetallic mineral products	327	92 i
Primary metals	331	19
Fabricated metal products	332	54
Machinery	333	535
Agricultural implement	33311	*
Semiconductor machinery	333242	0-532
Engine, turbine, and power transmission equipment	3336	4
Other machinery	other 333	0-532
Computer and electronic products	334	8,753
Communications equipment	3342	555
Semiconductor and other electronic components	3344	6,507
Navigational, measuring, electromedical, and control instruments	3345	585
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	69
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	6
Other measuring and controlling device	other 3345	510
Other computer and electronic products	other 334	1,107
Electrical equipment, appliances, and components	335	255
Transportation equipment	336	669 i
Automobiles, bodies, trailers, and parts	3361-63	651 i
Aerospace products and parts	3364	12
Aircraft, aircraft engine, and aircraft parts	336411-13	9
Guided missile, space vehicle, and related parts	336414-15, 336419	3
Military armored vehicle, tank, and tank component	336992	0
Other transportation	other 336	7
Furniture and related products	337	37
Miscellaneous manufacturing	339	459
Medical equipment and supplies	3391	444
Other miscellaneous manufacturing	3399	14
Nonmanufacturing industries	21-23, 42-81	2,325
Mining, extraction, and support activities	21	236
Utilities	22	*
Wholesale trade	42	32

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Industry and company size	NAICS code	Revenue <sup>a</sup>
Electronic shopping and electronic auctions	454111-12	0
Transportation and warehousing	48-49	0
Information	51	1,283
Publishing	511	386
Newspaper, periodical, book, and directory publishers	5111	0
Software publishers	5112	386
Telecommunications	517	0 - 539
Data processing, hosting, and related services	518	360
Other information	other 51	0 - 539
Finance and insurance	52	111
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	661
Architectural, engineering, and related services	5413	6
Computer systems design and related services	5415	203
Scientific research and development services	5417	126
Biotechnology research and development	541711	68
Physical, engineering, and life sciences (except biotechnology) research and development	541712	58
Social sciences and humanities research and development	541720	*
Other professional, scientific, and technical services	other 54	325
Health care services	621-23	1
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	*
All companies (number of domestic employees)	-	20,347
Small companies		
10-19 <sup>b</sup>	-	89
20-49	-	460
Medium companies		
50-99	-	395
100-249	-	305
Large companies		
250-499	-	1,549
500-999	-	566
1,000-4,999	-	3,810
5,000-9,999	-	1,754
10,000-24,999	-	8,961
25,000 or more	-	2,456

\* = amount &lt; \$500,000; i = &gt; 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2012 North American Industry Classification System.

<sup>a</sup> Amounts received from all patent licensing activities during 2017.<sup>b</sup> Business Research and Development Survey does not include companies with fewer than 10 domestic employees.**Note(s)**

Statistics are representative of companies in the United States that 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. 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.