

TABLE 67

Total patent licensing revenue of companies located in the United States that performed or funded R&D, by industry and company size: 2020

(Millions of U.S. dollars)

Industry and company size	NAICS code	Revenue ^a
All industries	21–23, 31–33, 42–81	28,777
Manufacturing industries	31–33	26,521
Food	311	18
Beverage and tobacco products	312	*
Textile, apparel, and leather products	313–16	4
Wood products	321	1
Paper	322	6
Printing and related support activities	323	0
Petroleum and coal products	324	194 i
Chemicals	325	13,076
Basic chemicals	3251	87
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	292
Pesticide, fertilizer, and other agricultural chemicals	3253	5
Pharmaceuticals and medicines	3254	12,650
Soap, cleaning compound, and toilet preparation	3256	5
Paint, coating, adhesive, and other chemicals	3255, 3259	37
Plastics and rubber products	326	152
Nonmetallic mineral products	327	6
Primary metals	331	4
Fabricated metal products	332	26
Machinery	333	311
Agricultural implement	33311	2
Semiconductor machinery	333242	39
Engine, turbine, and power transmission equipment	3336	251
Other machinery	other 333	19
Computer and electronic products	334	10,604
Communications equipment	3342	0 - 1,913
Semiconductor and other electronic components	3344	8,627
Navigation, measuring, electromedical, and control instruments	3345	65 - 1,978
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	66
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	0 - 1,913
Other measuring and controlling device	other 3345	0 - 1,913
Other computer and electronic products	other 334	0 - 1,913
Electrical equipment, appliances, and components	335	281
Transportation equipment	336	1,503
Motor vehicles, bodies, trailers, and parts	3361–63	1,440 i
Aerospace products and parts	3364	51
Aircraft, aircraft engine, and aircraft parts	336411–13	51
Guided missile, space vehicle, and related parts	336414–15, 336419	*
Military armored vehicle, tank, and tank component	336992	0
Other transportation	other 336	12
Furniture and related products	337	5
Miscellaneous	339	331
Medical equipment and supplies	3391	322
Other miscellaneous manufacturing	3399	9
Nonmanufacturing industries	21–23, 42–81	2,256
Mining, quarrying, oil and gas extraction, and support activities	21	0 - 70
Utilities	22	*
Wholesale trade	42	2

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Electronic shopping and electronic auctions	454111-12	0
Transportation and warehousing	48-49	0
Information	51	1,751
Publishing	511	498
Newspaper, periodical, book, and directory publishers	5111	0
Software publishers	5112	498
Telecommunications	517	48
Data processing, hosting, and related services	518	1,203
Other information	other 51	3
Finance and insurance	52	17
Real estate and rental and leasing	53	0 - 70
Lessors of nonfinancial intangible assets (except copyrighted works)	533	0 - 70
Other real estate and rental and leasing	other 53	0
Professional, scientific, and technical services	54	419
Architectural, engineering, and related services	5413	4
Computer systems design and related services	5415	280
Scientific research and development services	5417	133
Research and development in nanotechnology	541713	1 i
Research and development in biotechnology (except nanobiotechnology)	541714	85
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	47
Research and development in the social sciences and humanities	541720	0
Other professional, scientific, and technical services	other 54	3
Health care services	621-23	0
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	0 - 70
All companies (number of domestic employees)	-	28,777
Small companies		
10-19 ^b	-	76
20-49	-	155
Medium companies		
50-99	-	283
100-249	-	1,583
Large companies		
250-499	-	1,133
500-999	-	2,196
1,000-4,999	-	3,153
5,000-9,999	-	812
10,000-24,999	-	15,588
25,000 or more	-	3,798

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

NAICS = 2017 North American Industry Classification System.

^a Amounts received from all patent licensing activities during 2020.^b The Business Enterprise Research and Development Survey does not include companies with fewer than 10 domestic employees.

Note(s):

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. 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.