

TABLE 70

Total patent licensing revenue of companies located in the United States that performed or funded R&D, by industry and company size: 2022

(Millions of U.S. dollars)

Industry and company size	NAICS code	Revenue ^a
All industries	21-23, 31-33, 42-81	24,625
Manufacturing industries	31-33	23,309
Food	311	2
Beverage and tobacco products	312	*
Textile, apparel, and leather products	313-16	20
Wood products	321	0
Paper	322	0
Printing and related support activities	323	0
Petroleum and coal products	324	148 i
Chemicals	325	11,960
Basic chemicals	3251	62
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	D
Pesticide, fertilizer, and other agricultural chemicals	3253	1
Pharmaceuticals and medicines	3254	11,515
Soap, cleaning compound, and toilet preparations	3256	12
Paint, coating, adhesive, and other chemicals	3255, 3259	D
Plastics and rubber products	326	208 r
Nonmetallic mineral products	327	*
Primary metals	331	2
Fabricated metal products	332	43
Machinery	333	434
Agricultural implement	33311	*
Semiconductor machinery	333242	54
Engine, turbine, and power transmission equipment	3336	7
Other machinery	other 333	372
Computer and electronic products	334	9,444
Communications equipment	3342	D
Semiconductor and other electronic components	3344	7,762
Navigational, measuring, electromedical, and control instruments	3345	D
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	1
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	*
Other measuring and controlling devices	other 3345	D
Other computer and electronic products	other 334	D
Electrical equipment, appliances, and components	335	26
Transportation equipment	336	823 i
Motor vehicles, bodies, trailers, and parts	3361-63	671 i
Aerospace products and parts	3364	151 i
Aircraft, aircraft engine, and aircraft parts	336411-13	D
Guided missile, space vehicle, and related parts	336414-15, 336419	D
Military armored vehicle, tank, and tank components	336992	0
Other transportation	other 336	1
Furniture and related products	337	1
Miscellaneous	339	199
Medical equipment and supplies	3391	131
Other miscellaneous manufacturing	3399	68
Nonmanufacturing industries	21-23, 42-81	1,317
Mining, quarrying, oil and gas extraction, and support activities	21	0
Utilities	22	0
Wholesale trade	42	1
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	753	
Publishing	511	10	
Newspaper, periodical, book, and directory publishers	5111	0	
Software publishers	5112	10	
Telecommunications	517	D	
Data processing, hosting, and related services	518	718	
Other information	other 51	D	
Finance and insurance	52	2	
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	527	
Architectural, engineering, and related services	5413	30	r
Computer systems design and related services	5415	207	
Scientific research and development services	5417	251	
Research and development in nanotechnology	541713	2	
Research and development in biotechnology (except nanobiotechnology)	541714	18	
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	231	
Research and development in the social sciences and humanities	541720	0	
Other professional, scientific, and technical services	other 54	39	r
Health care services	621-23	15	
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	18	
All companies (number of domestic employees)	-	24,625	
Small companies			
10-19 ^b	-	107	
20-49	-	324	r
Medium companies			
50-99	-	177	
100-249	-	831	
Large companies			
250-499	-	685	
500-999	-	429	
1,000-4,999	-	2,762	
5,000-9,999	-	302	
10,000-24,999	-	16,206	
25,000 or more	-	2,802	i

* = amount < \$500,000; 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%.

NAICS = 2017 North American Industry Classification System.

^a Amounts received from all patent licensing activities during 2022.

^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.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2022.