

TABLE CET-11

**Companies performing or funding biotechnology technology R&D, by industry: 2021**

(Number and percent)

Industry	NAICS code	Companies (number)	Biotechnology			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21–23, 31–33, 42–81	4,874,928	15,334	4,859,594	0.3	99.7
Manufacturing industries	31–33	209,282	1,017	208,265	0.5	99.5
Food	311	19,326	119	19,207	0.6	r 99.4
Beverage and tobacco products	312	9,354	19	9,335	0.2	99.8
Textile, apparel, and leather products	313–16	9,443	12	9,431	0.1	r 99.9
Wood products	321	9,546	15	r 9,531	0.2	r 99.8
Paper	322	1,500	42	r 1,458	2.8	r 97.2
Printing and related support activities	323	20,212	5	r 20,207	0.0	r 100.0
Petroleum and coal products	324	546	1	r 545	0.2	r 99.8
Chemicals	325	7,961	319	7,642	4.0	96.0
Pesticide, fertilizer, and other agricultural chemicals	3253	580	12	568	2.1	97.9
Pharmaceuticals and medicines	3254	1,536	213	1,323	13.8	86.2
Soap, cleaning compound, and toilet preparation	3256	1,652	19	1,633	1.1	98.9
Other chemicals	other 325	4,194	76	4,118	1.8	98.2
Plastics and rubber products	326	7,060	18	7,042	0.3	r 99.7
Nonmetallic mineral products	327	7,290	22	r 7,268	0.3	r 99.7
Primary metals	331	2,079	2	r 2,077	0.1	r 99.9
Fabricated metal products	332	46,128	21	r 46,107	0.0	r 100.0
Machinery	333	16,440	38	16,402	0.2	99.8
Computer and electronic products	334	8,527	166	8,361	1.9	98.1
Communications equipment	3342	850	0	850	0.0	100.0
Semiconductor and other electronic components	3344	2,711	15	2,696	0.5	99.5
Navigational, measuring, electromedical, and control instruments	3345	3,737	139	3,598	3.7	96.3
Other computer and electronic products	other 334	1,230	12	r 1,218	1.0	r 99.0
Electrical equipment, appliances, and components	335	3,925	24	3,901	0.6	r 99.4
Transportation equipment	336	7,325	27	r 7,298	0.4	r 99.6
Automobiles, bodies, trailers, and parts	3361–63	4,494	19	r 4,475	0.4	r 99.6
Aerospace products and parts	3364	1,044	1	r 1,043	0.1	r 99.9
Other transportation	other 336	1,787	6	r 1,781	0.3	r 99.7
Furniture and related products	337	12,060	3	r 12,057	0.0	r 100.0
Miscellaneous	339	20,536	163	20,373	0.8	99.2
Medical equipment and supplies	3391	7,602	121	7,481	1.6	r 98.4
Other miscellaneous manufacturing	3399	12,933	42	r 12,891	0.3	r 99.7
Nonmanufacturing industries	11, 21–23, 42–81	4,665,645	14,319	4,651,326	0.3	99.7
Agriculture, forestry, fishing, and hunting	11	19,567	119	r 19,448	0.6	r 99.4
Mining, extraction, and support activities	21	14,004	3	14,001	0.0	100.0
Utilities	22	2,994	2	2,992	0.1	99.9
Construction	23	635,568	607	634,961	0.1	99.9
Wholesale trade	42	241,440	807	240,633	0.3	99.7
Retail trade	44–45	546,067	1,383	544,684	0.3	99.7
Transportation and warehousing	48–49	165,454	307	165,147	0.2	99.8
Information	51	65,445	244	65,201	0.4	99.6
Publishing	511	17,755	103	r 17,652	0.6	r 99.4
Newspaper, periodical, book, and directory publishers	5111	9,162	30	r 9,132	0.3	r 99.7
Software publishers	5112	8,589	74	8,515	0.9	r 99.1
Telecommunications	517	7,319	61	r 7,258	0.8	r 99.2
Data processing, hosting, and related services	518	8,346	77	8,269	0.9	99.1

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Other information	other 51	32,027	3	r 32,024	0.0	r 100.0
Finance and insurance	52	198,128	330	197,798	0.2	99.8
Real estate and rental and leasing	53	283,276	180	r 283,096	0.1	r 99.9
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,956	0	1,956	0.0	100.0
Other real estate and rental and leasing	other 53	281,321	180	r 281,141	0.1	r 99.9
Professional, scientific, and technical services	54	717,229	5,063	712,166	0.7	99.3
Legal services	5411	152,543	105	r 152,438	0.1	r 99.9
Accounting, tax preparation, bookkeeping, and payroll services	5412	109,075	89	r 108,986	0.1	r 99.9
Architectural, engineering, and related services	5413	87,994	301	87,693	0.3	99.7
Specialized design services	5414	29,258	0	29,258	0.0	100.0
Computer systems design and related services	5415	100,282	717	99,565	0.7	99.3
Management, scientific, and technical consulting services	5416	144,421	733	143,688	0.5	99.5
Scientific research and development services	5417	11,149	2,864	8,285	25.7	74.3
Advertising, public relations, and related services	5418	28,236	7	28,229	0.0	100.0
Other professional, scientific, and technical services	5419	54,270	260	54,010	0.5	99.5
Management of companies and enterprises	55	3,153	0	3,153	0.0	100.0
Administrative and support and waste management and remediation services	56	293,539	684	292,855	0.2	99.8
Educational services	61	57,078	4	r 57,074	0.0	r 100.0
Health care and social assistance	62	536,276	2,395	533,881	0.4	99.6
Health care services	621-23	469,939	2,283	467,656	0.5	99.5
Social assistance	624	66,336	108	r 66,228	0.2	r 99.8
Arts, entertainment, and recreation	71	89,491	44	r 89,447	0.0	r 100.0
Accommodation and food services	72	455,071	1,614	453,457	0.4	99.6
Other services	81	341,869	494	341,375	0.1	99.9

r = relative standard error &gt; 50%.

NAICS = 2017 North American Industry Classification System.

**Note(s):**

Detail across rows may not add to total because of rounding or unavailable NAICS detail for select records beyond the 4-digit industry classification. Detail across columns have been adjusted to add to total. Industry classification is based on dominant establishment payroll. Statistics are representative of companies located in the United States.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, 2022 Annual Business Survey: Data Year 2021.