

TABLE CET-1

Companies performing or funding advanced computing technology R&D, by industry: 2021

(Number and percent)

Industry	NAICS code	Companies (number)	Advanced computing			
			Number		Percent	
			Yes	No	Yes	No
All industries	11, 21-23, 31-33, 42-81	4,874,928	121,650	4,753,278	2.5	97.5
Manufacturing industries	31-33	209,282	4,482	204,800	2.1	97.9
Food	311	19,326	210	19,116	1.1	98.9
Beverage and tobacco products	312	9,354	61	9,293	0.7	99.3
Textile, apparel, and leather products	313-16	9,443	144	9,299	1.5	98.5
Wood products	321	9,546	137	9,409	1.4	98.6
Paper	322	1,500	42	1,458	2.8	r 97.2
Printing and related support activities	323	20,212	467	19,745	2.3	97.7
Petroleum and coal products	324	546	8	538	1.4	98.6
Chemicals	325	7,961	184	7,777	2.3	97.7
Pesticide, fertilizer, and other agricultural chemicals	3253	580	0	580	0.0	100.0
Pharmaceuticals and medicines	3254	1,536	52	1,484	3.4	96.6
Soap, cleaning compound, and toilet preparation	3256	1,652	42	r 1,610	2.5	r 97.5
Other chemicals	other 325	4,194	88	4,106	2.1	97.9
Plastics and rubber products	326	7,060	150	6,910	2.1	97.9
Nonmetallic mineral products	327	7,290	92	7,198	1.3	98.7
Primary metals	331	2,079	40	2,039	1.9	98.1
Fabricated metal products	332	46,128	938	45,190	2.0	98.0
Machinery	333	16,440	314	16,126	1.9	98.1
Computer and electronic products	334	8,527	631	7,896	7.4	92.6
Communications equipment	3342	850	65	785	7.6	92.4
Semiconductor and other electronic components	3344	2,711	157	2,554	5.8	94.2
Navigational, measuring, electromedical, and control instruments	3345	3,737	278	3,459	7.4	92.6
Other computer and electronic products	other 334	1,230	131	1,099	10.7	89.3
Electrical equipment, appliances, and components	335	3,925	169	3,756	4.3	95.7
Transportation equipment	336	7,325	246	7,079	3.4	96.6
Automobiles, bodies, trailers, and parts	3361-63	4,494	170	4,324	3.8	96.2
Aerospace products and parts	3364	1,044	28	1,016	2.7	97.3
Other transportation	other 336	1,787	49	1,738	2.7	97.3
Furniture and related products	337	12,060	193	11,867	1.6	98.4
Miscellaneous	339	20,536	448	20,088	2.2	97.8
Medical equipment and supplies	3391	7,602	178	7,424	2.3	97.7
Other miscellaneous manufacturing	3399	12,933	271	12,662	2.1	97.9
Nonmanufacturing industries	11, 21-23, 42-81	4,665,645	117,166	4,548,479	2.5	97.5
Agriculture, forestry, fishing, and hunting	11	19,567	148	r 19,419	0.8	r 99.2
Mining, extraction, and support activities	21	14,004	74	13,930	0.5	99.5
Utilities	22	2,994	101	2,893	3.4	r 96.6
Construction	23	635,568	7,539	628,029	1.2	98.8
Wholesale trade	42	241,440	5,899	235,541	2.4	97.6
Retail trade	44-45	546,067	10,539	535,528	1.9	98.1
Transportation and warehousing	48-49	165,454	3,071	162,383	1.9	98.1
Information	51	65,445	5,959	59,486	9.1	90.9
Publishing	511	17,755	2,633	15,122	14.8	85.2
Newspaper, periodical, book, and directory publishers	5111	9,162	234	8,928	2.5	97.5
Software publishers	5112	8,589	2,403	6,186	28.0	72.0
Telecommunications	517	7,319	457	6,862	6.2	93.8

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Data processing, hosting, and related services	518	8,346	1,463	6,883	17.5	82.5
Other information	other 51	32,027	1,414	30,613	4.4	95.6
Finance and insurance	52	198,128	6,501	191,627	3.3	96.7
Real estate and rental and leasing	53	283,276	4,761	278,515	1.7	98.3
Lessors of nonfinancial intangible assets (except copyrighted works)	533	1,956	91	1,865	4.6	95.4
Other real estate and rental and leasing	other 53	281,321	4,672	276,649	1.7	98.3
Professional, scientific, and technical services	54	717,229	36,836	680,393	5.1	94.9
Legal services	5411	152,543	3,955	148,588	2.6	97.4
Accounting, tax preparation, bookkeeping, and payroll services	5412	109,075	4,166	104,909	3.8	96.2
Architectural, engineering, and related services	5413	87,994	3,302	84,692	3.8	96.2
Specialized design services	5414	29,258	731	28,527	2.5	97.5
Computer systems design and related services	5415	100,282	15,301	84,981	15.3	84.7
Management, scientific, and technical consulting services	5416	144,421	5,634	138,787	3.9	96.1
Scientific research and development services	5417	11,149	1,002	10,147	9.0	91.0
Advertising, public relations, and related services	5418	28,236	919	27,317	3.3	96.7
Other professional, scientific, and technical services	5419	54,270	1,812	52,458	3.3	96.7
Management of companies and enterprises	55	3,153	105	3,048	3.3	96.7
Administrative and support and waste management and remediation services	56	293,539	6,025	287,514	2.1	97.9
Educational services	61	57,078	991	56,087	1.7	98.3
Health care and social assistance	62	536,276	13,979	522,297	2.6	97.4
Health care services	621-23	469,939	12,529	457,410	2.7	97.3
Social assistance	624	66,336	1,444	64,892	2.2	97.8
Arts, entertainment, and recreation	71	89,491	1,383	88,108	1.5	98.5
Accommodation and food services	72	455,071	7,746	447,325	1.7	98.3
Other services	81	341,869	5,034	336,835	1.5	98.5

r = relative standard error > 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.