

TABLE 22. Company and other nonfederal funds for industrial R&D and as a percent of net sales of the top 20 companies performing company-funded industrial R&D in the United States, by industry and company size, ranked by nonfederally funded R&D program size: 2006

Industry and company size	NAICS codes	Company and other nonfederal R&D funds (\$millions)			% of net sales		
		First 4 companies	Next 4 companies	Next 12 companies	First 4 companies	Next 4 companies	Next 12 companies
All industries	21–23, 31–33, 42, 44–81	20,091	16,482	27,527	16.1	9.3	5.4
Manufacturing industries	31–33	18,550	13,774	24,271	9.8	5.8	7.0
Food	311	993	451	623	1.3	0.6	0.8
Beverage and tobacco products	312	485	40	21	1.7	0.6	0.2
Textiles, apparel, and leather	313–16	290	73	97	1.7	1.8	2.2
Wood products	321	123	22	24	1.5	0.4	0.4
Paper, printing, and support activities	322, 323	2,103	237	178	1.7	0.5	1.5
Petroleum and coal products	324	1,364	35	21	0.3	D	0.4
Chemicals	325	12,943	7,511	10,287	13.7	16.8	9.8
Basic chemicals	3251	619	359	542	2.0	3.7	1.6
Resin, synthetic rubber, fibers, and filament	3252	1,663	135	99	3.7	0.9	0.4
Pharmaceuticals and medicines	3254	12,943	7,511	9,106	13.7	16.8	13.0
Other chemicals	other 325	1,433	361	658	7.3	2.8	2.5
Plastics and rubber products	326	773	143	283	4.9	3.5	1.8
Nonmetallic mineral products	327	545	136	132	3.4	3.4	1.0
Primary metals	331	323	75	118	1.3	0.3	0.2
Fabricated metal products	332	208	117	189	3.3	1.5	0.8
Machinery	333	3,230	1,131	1,536	6.3	5.3	3.0
Computer and electronic products	334	13,534	5,151	8,049	13.1	11.8	5.7
Computers and peripheral equipment	3341	4,597	1,046	854	5.9	16.9	9.1
Communications equipment	3342	7,420	822	769	17.6	11.9	16.2
Semiconductor and other electronic components	3344	8,491	2,833	3,075	11.4	7.3	29.8
Navigational, measuring, electromedical, and control instruments	3345	3,394	1,553	2,282	6.1	11.9	8.6
Other computer and electronic products	other 334	676	201	118	7.0	3.7	5.5
Electrical equipment, appliances, and components	335	535	208	412	3.1	4.1	5.0
Transportation equipment	336	15,417	6,271	3,878	4.9	2.8	2.4
Motor vehicles, trailers, and parts	3361–63	10,894	1,517	2,056	3.3	2.2	2.4
Aerospace products and parts	3364	10,794	791	282	5.1	4.9	3.2
Other transportation equipment	other 336	1,112	149	109	1.9	1.1	0.9
Furniture and related products	337	143	67	70	0.9	0.9	0.6
Miscellaneous manufacturing	339	1,322	600	823	9.7	9.2	6.8
Medical equipment and supplies	3391	1,322	492	597	9.7	12.9	6.3
Other miscellaneous manufacturing	other 339	491	134	112	7.2	4.2	2.3

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Nonmanufacturing industries	21–23, 42, 44–81	13,991	3,783	6,104	17.8	15.8	2.7
Mining, extraction, and support activities	21	927	80	82	0.8	0.8	0.5
Utilities	22	76	39	35	0.2	0.2	0.1
Construction	23	1,114	31	34	8.2	1.1	0.2
Wholesale trade	42	157	120	250	18.9	53.1	4.3
Retail trade	44, 45	1,081	126	104	3.6	0.7	0.1
Transportation and warehousing	48, 49	235	22	19	0.4	0.3	0.1
Information	51	10,276	2,486	4,142	21.0	2.5	16.5
Publishing	511	9,854	1,903	2,925	21.7	26.2	19.2
Newspaper, periodical, book, and directory	5111	784	83	56	7.0	D	1.4
Software	5112	9,854	1,903	2,476	21.7	26.2	23.1
Telecommunications	517	1,198	436	281	0.8	0.3	1.3
Wired and wireless (except satellite)							
telecommunications carriers	5171, 5172	1,198	300	103	D	D	1.1
Satellite telecommunications	5174	D	D	0	D	D	0.0
Other telecommunications	other 517	302	28	16	0.4	1.0	2.4
Internet service providers, Web search portals, and data-processing services	518	2,369	452	293	10.2	5.6	10.6
Internet service providers and Web search portals	5181	D	20	23	D	D	12.1
Data-processing, hosting, and related services	5182	1,318	165	250	7.0	8.2	9.8
Other information	other 51	224	66	66	D	5.4	4.3
Finance, insurance, and real estate	52, 53	638	288	325	D	0.2	0.4
Professional, scientific, and technical services	54	6,822	1,087	1,895	15.7	1.2	1.7
Architectural, engineering, and related services	5413	1,485	250	418	40.3	5.0	13.6
Computer systems design and related services	5415	6,086	779	814	4.7	D	4.9
Scientific R&D services	5417	797	502	886	100.1	D	51.6
Other professional, scientific, and technical services	other 54	295	64	89	1.7	14.7	2.2
Health care services	621–23	719	35	30	6.8	D	0.5
Other nonmanufacturing ^a	55, 56, 61, 624, 71, 72, 81	635	134	155	5.6	3.0	3.8

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		First 4 companies	Next 4 companies	Next 12 companies	First 4 companies	Next 4 companies	Next 12 companies
Company size (employees)							
All companies	-	20,091	16,482	27,527	16.1	9.3	5.4
5-24	-	65	31	74	D	209.9 i	61.1
25-49	-	178	102	217	D	226.7	145.1
50-99	-	169	145	355	803.8	221.6 i	387.6
100-249	-	388	289	624	206.3	D	81.2
250-499	-	473	297	693	232.5	D	63.4
500-999	-	1,157	799	1,707	56.0	71.0	46.2
1,000-4,999	-	2,479	1,826	4,112	D	60.0	24.9
5,000-9,999	-	4,039	3,039	4,875	17.0	17.0	13.3
10,000-24,999	-	7,886	6,664	10,142	15.3	15.7	10.1
25,000 or more	-	20,091	16,482	24,201	16.1	9.3	4.6

D = suppressed to avoid disclosure of confidential information; i = more than 50% of the value is imputed; - = not applicable.

^a Estimates for management of companies and enterprises (NAICS 55), formerly shown separately, now are included in other nonmanufacturing.

NOTES: Rankings were based on company and other funds from nonfederal sources spent for R&D and are determined separately for each industry and company size. Consequently, industry and company size detail does not add to total. The method used to assign industry classifications has changed; industry-specific estimates are not directly comparable with those for years prior to 2004. The R&D in this table is the industrial R&D performed within company facilities funded from all sources except the federal government. The funds are predominantly the company's own, but also include funds from outside organizations, such as other companies, research institutions, universities and colleges, nonprofit organizations, and state governments. Excluded from this table are company-funded R&D not performed within the company (e.g., R&D performed by other organizations) and company-funded R&D not performed within the 50 U.S. states or DC (e.g., R&D not performed on U.S. soil by foreign subsidiaries or other foreign organizations). For definitions and more information about year-to-year comparability of the statistics, see technical notes and survey methodology.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Industrial Research and Development: 2006.