

TABLE 52. Funds for industrial R&D and as a percent of net sales of the top 20 industrial R&D-performing companies in the United States, by industry and company size, ranked by R&D program size: 2007

Industry and company size	NAICS codes	All 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	21,664	17,253	35,331	17.0	7.8	9.2
Manufacturing industries	31–33	20,029	15,584	31,284	16.5	7.4	8.3
Food	311	799	549	627	1.9	0.6	0.7
Beverage and tobacco products	312	147	45	24	0.4	0.5	0.3
Textiles, apparel, and leather	313–16	344	80	120	1.7	1.9	2.1
Wood products	321	131	29	21	1.8	0.9	0.3
Paper, printing, and support activities	322, 323	1,891	218	185	1.7	1.0	0.6
Petroleum and coal products	324	1,597	32	20	0.4	0.1	0.3
Chemicals	325	13,483	8,304	12,727	15.8	17.3	10.4
Basic chemicals	3251	1,654	401	580	3.9	3.1	2.4
Resin, synthetic rubber, fibers, and filament	3252	742	92	71	3.0	1.2	0.5
Pharmaceuticals and medicines	3254	13,483	8,304	12,018	15.8	17.3	13.4
Other chemicals	other 325	1,416	459	791	7.6	2.9	1.9
Plastics and rubber products	326	696	151	266	3.3	3.2	2.0
Nonmetallic mineral products	327	631	136	154	4.3	3.4	1.3
Primary metals	331	442	96	153	1.6	0.3	0.3
Fabricated metal products	332	316	151	242	3.2	2.8	1.2
Machinery	333	3,378	1,126	1,623	6.8	6.0	3.1
Computer and electronic products	334	16,448	7,324	10,186	17.2	10.3	10.9
Computers and peripheral equipment	3341	4,250	1,092	885	5.0	18.1	13.9
Communications equipment	3342	7,601	879	944	17.0	12.5	17.0
Semiconductor and other electronic components	3344	8,715	2,637	2,989	13.8	15.3	17.7
Navigational, measuring, electromedical, and control instruments	3345	9,691	2,787	3,559	16.9	7.2	5.9
Other computer and electronic products	other 334	553	153	109	4.7	3.8	3.6
Electrical equipment, appliances, and components	335	576	234	441	2.7	9.7	5.1
Transportation equipment	336	17,481	10,324	6,114	7.5	3.6	4.7
Motor vehicles, trailers, and parts	3361–63	10,072	1,764	1,943	3.6	2.4	2.4
Aerospace products and parts	3364	15,047	2,199	918	6.9	13.8	6.4
Other transportation equipment	other 336	4,560	126	120	7.6	3.3	0.7
Furniture and related products	337	309	81	87	1.7	1.4	0.7
Miscellaneous manufacturing	339	1,573	692	1,026	12.6	0.7	6.7
Medical equipment and supplies	3391	1,573	654	740	12.6	0.7	7.2
Other miscellaneous manufacturing	other 339	491	155	138	6.4	4.5	2.6

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Nonmanufacturing industries	21–23, 42, 44–81	15,214	5,699	7,912	17.7	30.7	3.0
Mining, extraction, and support activities	21	1,093	106	94	1.0	0.8	0.5
Utilities	22	134	46	41	0.3	0.3	0.1
Construction	23	195	28	33	1.6	1.3	0.5
Wholesale trade	42	188	156	329	16.6	14.7	4.9
Retail trade	44, 45	1,322	102	108	3.8	0.5	0.1
Transportation and warehousing	48, 49	112	25	26	0.2	1.1	0.1
Information	51	11,624	3,013	4,816	20.2	2.2	4.2
Publishing	511	10,421	2,161	3,155	20.3	16.9	22.3
Newspaper, periodical, book, and directory	5111	1,056	85	72	7.7	1.6	1.0
Software	5112	10,421	2,011	2,585	20.3	28.7	19.0
Telecommunications	517	2,017	546	281	0.8	0.6	2.7
Wired and wireless (except satellite) telecommunications carriers	5171, 5172	1,962	198	53	0.9	0.4	3.9
Satellite telecommunications	5174	D	0	0	16.2	0.0	0.0
Other telecommunications	other 517	534	97	55	0.7	3.2	3.1
Internet service providers, Web search portals, and data-processing services	518	3,217	269	294	10.8	6.8	13.0
Internet service providers and Web search portals	5181	D	48	56	15.6	8.9	3.0
Data-processing, hosting, and related services	5182	1,222	168	239	6.7	9.5	10.8
Other information	other 51	306	85	63	0.8	4.2	3.7
Finance, insurance, and real estate	52, 53	942	362	396	0.6	0.2	0.5
Professional, scientific, and technical services	54	9,289	2,540	2,854	19.7	29.7	2.5
Architectural, engineering, and related services	5413	2,373	343	531	42.1	17.5	10.0
Computer systems design and related services	5415	6,127	1,010	1,094	13.7	1.0	16.3
Scientific R&D services	5417	4,352	721	1,288	37.3	113.0	49.2
Other professional, scientific, and technical services	other 54	315	90	139	3.5	5.1	3.3
Health care services	621–23	555	25	28	8.4	0.4	0.5
Other nonmanufacturing ^a	55, 56, 61, 624, 71, 72, 81	724	119	155	5.6	2.3	4.7

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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	-	21,664	17,253	35,331	17.0	7.8	9.2
5-24	-	64	39	90	25.7	340.3	59.1
25-49	-	163	119	242	243.5	302.6	129.5
50-99	-	221	184	443	148.3	190.7	141.7
100-249	-	436	301	776	123.4	96.0	214.8
250-499	-	377	304	748	65.2	67.1	50.5
500-999	-	1,305	878	1,737	228.4	65.7	39.1
1,000-4,999	-	2,975	2,057	4,800	31.4	40.9	22.0
5,000-9,999	-	4,782	3,098	5,732	18.9	16.6	8.2
10,000-24,999	-	9,643	7,683	14,042	15.4	21.5	13.1
25,000 or more	-	21,664	17,253	32,894	17.0	7.8	8.2

D = suppressed to avoid disclosure of confidential information; - = 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 total funds from all sources (company, federal, and other) spent for R&D and are determined separately for each industry and company size category. Consequently, industry and company size detail does not add to totals. The method used to assign industry classifications has changed; industry-specific estimates are not directly comparable with those for years prior to 2004. Excludes federally funded research and development centers. The R&D in this table is the industrial R&D performed within company facilities funded from all sources. The funds are the company's own; funds from outside organizations, such as other companies, research institutions, universities and colleges, nonprofit organizations, and state governments; and funds from the federal government. Excludes R&D performed outside of the company (e.g., R&D performed by other organizations) and R&D performed outside of 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: 2007.