

Federal funds for industrial R&D performance in United States, by industry and size of company: 1999–2003

(Millions of dollars)

Industry and size of company	NAICS code	1999 ^a	2000	2001 ^b	2002	2003
All industries.....	21–23, 31–33, 42, 44–81	22,535	19,118	16,899	16,401	20,699
Manufacturing industries.....	31–33	17,055	13,328	11,484	10,745	15,305
Food.....	311	0	D	0	D	D
Beverage and tobacco products.....	312	0	0	0	0	0
Textiles, apparel, and leather.....	313–16	0	D	D	D	D
Wood products.....	321	0	0	0	D	D
Paper, printing, and support activities.....	322, 323	D	D	D	D	D
Petroleum and coal products.....	324	D	D	D	D	D
Chemicals.....	325	194	150	180	246	307
Basic chemicals.....	3251	98	31	42	72	70
Resin, synthetic rubber, fibers, and filament.....	3252	D	11	D	13	16
Pharmaceuticals and medicines.....	3254	D	D	0	D	D
Other chemicals.....	Other 325	D	D	D	D	D
Plastics and rubber products.....	326	0	D	D	D	35
Nonmetallic mineral products.....	327	D	1	11	D	4
Primary metals.....	331	12	26 (S)	6	12	12
Fabricated metal products.....	332	46	41	54	104	45
Machinery.....	333	399 (S)	41	67	62	80
Computer and electronic products.....	334	5,993	5,544	5,848	5,470	6,506
Computers and peripheral equipment.....	3341	D	0	D	25	27 (S)
Communications equipment.....	3342	206	432	298	215	266
Semiconductor and other electronic components.....	3344	77	107	148	48	28
Navigational, measuring, electromedical, and control instruments.....	3345	5,705	5,002	5,382	5,180	6,180
Other computer and electronic products.....	Other 334	D	3	D	1	6
Electrical equipment, appliances, and components.....	335	D	D	301 (S)	61	71
Transportation equipment.....	336	10,037	7,168	4,961	4,692	8,162
Motor vehicles, trailers, and parts.....	3361–63	D	D	D	D	D
Aerospace products and parts.....	3364	9,117	6,424	3,785	4,306	7,528
Other transportation equipment.....	Other 336	D	D	D	D	D
Furniture and related products.....	337	0	0	0	7	D
Miscellaneous manufacturing.....	339	26	12	25	44	47
Medical equipment and supplies.....	3391	D	D	D	D	17
Other miscellaneous manufacturing.....	Other 339	D	D	D	D	31
Nonmanufacturing industries.....	21–23, 42, 44–81	5,479	5,790	5,415	5,656	5,394
Mining, extraction, and support activities.....	21	D	1	D	D	D
Utilities.....	22	17	D	19	D	D
Construction.....	23	2	D	1	*	79
Wholesale trade.....	42	NA	NA	NA	D	122
Professional and commercial equipment and supplies, including computers.....	4214	NA	NA	NA	D	D
Electrical goods.....	4216	NA	NA	NA	D	D
Drugs and druggists' sundries.....	4222	NA	NA	NA	D	D
Other wholesale trade.....	Other 42	NA	NA	NA	1	2
Retail trade.....	44, 45	NA	NA	NA	0	26

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Transportation and warehousing.....	48, 49	0	D	72	D	*
Information.....	51	497	540 (S)	D	106	D
Publishing.....	511	49	78	44	53	D
Newspaper, periodical, book, and database.....	5111	0	0	0	0	*
Software.....	5112	49	78	44	53	D
Broadcasting and telecommunications.....	513	D	382 (S)	D	D	0
Telecommunications.....	5133	D	D	D	D	0
Other broadcasting and telecommunications.....	Other 513	NA	NA	NA	NA	0
Other information.....	Other 51	D	81	D	D	D
Finance, insurance, and real estate.....	52, 53	D	0	D	0	0
Professional, scientific, and technical services.....	54	4,615	4,628	5,065	5,412	4,966
Architectural, engineering, and related services.....	5413	1,177	1,149	1,021	1,337	1,898
Computer systems design and related services.....	5415	D	226	498	1,590	1,148
Scientific R&D services.....	5417	3,057	3,177	3,352	2,299	1,886
Other professional, scientific, and technical services.....	Other 54	D	77	194	186	34
Management of companies and enterprises.....	55	D	0	0	0	0
Health care services.....	621–23	10	59	29	D	36
Other nonmanufacturing.....	56, 61, 624, 71, 72, 81	D	18	38	D	60 (S)
Company size (employees)						
All companies.....		22,535	19,118	16,899	16,401	20,699
5–24.....	na	611	922	653	789	754
25–49.....	na	368	222	201	259	910
50–99.....	na	603	514	548	463	559
100–249.....	na	674	669	903	606	636
250–499.....	na	485	660	560	686	668
500–999.....	na	591	495	627	531	759
1,000–4,999.....	na	896	775	608	985	1,088
5,000–9,999.....	na	2,194	1,625	1,651	1,574	1,101
10,000–24,999.....	na	397	678	904	1,226	1,995
25,000 or more.....	na	15,717	12,559	10,243	9,282	12,231

* = data < \$500,000; D = data withheld to avoid disclosing operations of individual companies; S = imputation of >50%; NA = not available; na = not applicable

NAICS = North American Industry Classification System

^aSome statistics for 1999 were revised since originally published.^bBeginning with 2001, statistics for total and federally funded industrial R&D exclude data for federally funded research and development centers.NOTES: R&D is industrial R&D performed within company facilities funded by the federal government. Excluded are R&D not performed within the company (e.g., R&D contracted out to other organizations) and R&D not performed within the 50 United States or District of Columbia (e.g., R&D performed outside the United States by foreign subsidiaries or other foreign organizations). For more technical information, see <http://www.nsf.gov/sbe/srs/sird/start.htm>.

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