

Company and other (nonfederal) R&D fund share of net sales in R&D-performing companies, by industry and company size: 1999–2003

(Percent)

Industry and size of company	NAICS code	1999 ^a	2000	2001	2002	2003
All industries.....	21–23, 31–33, 42, 44–81	2.8	3.4	3.8	3.6	3.2
Manufacturing industries.....	31–33	3.2	3.2	3.7	3.3	3.1
Food.....	311	0.4	0.4	0.5	0.6	0.6
Beverage and tobacco products.....	312	D	0.7	0.4	0.5	0.5
Textiles, apparel, and leather.....	313–16	0.7	0.8	0.8	0.8	1.0
Wood products.....	321	0.5	0.8	1.1	0.7	0.7
Paper, printing, and support activities.....	322, 323	1.4	1.6	2.1	1.3	1.1
Petroleum and coal products.....	324	D	0.3	0.3	0.4	0.3
Chemicals.....	325	5.1	5.9	4.8	5.9	5.6
Basic chemicals.....	3251	2.0	2.3	2.2	2.5	2.7
Resin, synthetic rubber, fibers, and filament.....	3252	4.2	5.6	4.5	3.9	3.6
Pharmaceuticals and medicines.....	3254	10.5	9.8	7.8	9.6	8.3
Other chemicals.....	Other 325	3.2	3.6	3.2	3.1	3.2
Plastics and rubber products.....	326	1.9	1.8	2.9	1.8	2.1
Nonmetallic mineral products.....	327	1.5	1.8	2.3	1.2	1.0
Primary metals.....	331	0.4	0.5	0.7	0.7	0.7
Fabricated metal products.....	332	1.4	1.4	1.6	1.4	1.5
Machinery.....	333	3.3	3.8	4.2	4.3	4.2
Computer and electronic products.....	334	8.8	8.0	11.0	8.0	9.3
Computers and peripheral equipment.....	3341	6.4	6.5	7.6	7.5	5.8
Communications equipment.....	3342	12.8	10.5	16.3	12.8	12.7
Semiconductor and other electronic components.....	3344	8.3	7.4	10.5	8.6	11.1
Navigational, measuring, electromedical, and control instruments.....	3345	9.1	8.0	7.3	5.4	7.2
Other computer and electronic products.....	Other 334	5.8	4.3	13.5	5.3	5.8
Electrical equipment, appliances, and components.....	335	2.3	2.1	2.9 (S)	2.7	2.2
Transportation equipment.....	336	2.9	3.1	3.4	2.8	2.7
Motor vehicles, trailers, and parts.....	3361–63	2.9	3.2	3.5	3.1	2.4
Aerospace products and parts.....	3364	3.2	2.8	3.0	2.3	3.5
Other transportation equipment.....	Other 336	1.6	1.8	2.5 (S)	2.9	2.7
Furniture and related products.....	337	0.7	0.8	0.9	0.8	0.8
Miscellaneous manufacturing.....	339	5.7	8.7	6.6	7.9	5.6
Medical equipment and supplies.....	3391	7.7	13.1	9.0	9.7	6.3
Other miscellaneous manufacturing.....	Other 339	2.3	2.3	2.0	4.1	3.2
Nonmanufacturing industries.....	21–23, 42, 44–81	3.4	3.8	4.0	4.1	3.3
Mining, extraction, and support activities.....	21	1.9	1.0	1.3	3.2	3.3
Utilities.....	22	0.1	0.1	0.0	0.1	0.1
Construction.....	23	3.1	1.9	1.4	0.6	1.2
Wholesale trade.....	42	NA	NA	NA	NA	3.6
Professional and commercial equipment and supplies, including computers.....	4214	NA	NA	NA	NA	8.0
Electrical goods.....	4216	NA	NA	NA	NA	6.6
Drugs and druggists' sundries.....	4222	NA	NA	NA	NA	11.6
Other wholesale trade.....	Other 42	NA	NA	NA	NA	0.5
Retail trade.....	44, 45	NA	NA	NA	NA	0.8

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Transportation and warehousing.....	48, 49	0.5	0.3	2.4	0.5	0.4
Information.....	51	3.4	4.0	4.4	4.0	5.7
Publishing.....	511	13.4	16.3	15.0	16.4	17.9
Newspaper, periodical, book, and database.....	5111	2.0	2.0	2.7	2.8	2.8
Software.....	5112	16.7	20.4	19.3	21.4	23.4
Broadcasting and telecommunications.....	513	0.4	0.4	0.5	0.7 (S)	0.8
Telecommunications.....	5133	D	D	0.5	0.7 (S)	0.8
Other broadcasting and telecommunications.....	Other 513	NA	NA	NA	NA	4.3
Other information.....	Other 51	8.6	4.9	4.7	2.0	5.0
Finance, insurance, and real estate.....	52, 53	0.5	1.2	0.7	0.6	0.3
Professional, scientific, and technical services.....	54	11.6	14.9	13.7	11.2	10.2
Architectural, engineering, and related services.....	5413	6.8	7.1	5.2	5.3	7.8
Computer systems design and related services.....	5415	11.0	11.8	16.5	14.3	9.8
Scientific R&D services.....	5417	32.1	32.3	36.5	17.6	16.5 (S)
Other professional, scientific, and technical services.....	Other 54	1.9	6.1	1.9	2.8	3.3
Management of companies and enterprises.....	55	5.7	4.4	7.8	7.6	4.1 (S)
Health care services.....	621–23	6.4	2.8	4.1	15.1	2.2
Other nonmanufacturing.....	56, 61, 624, 71, 72, 81	0.9	1.0	1.4	1.9	4.9
Company size (employees)						
All companies.....		2.8	3.4	3.8	3.6	3.2
5–24.....	na	16.6	17.2	12.9	7.1	2.2
25–49.....	na	10.6	13.4	10.6	8.9	2.9
50–99.....	na	13.0	11.2	10.4	7.1	3.9
100–249.....	na	6.9	8.0	10.8	9.0	1.7
250–499.....	na	5.9	6.1	8.0	4.0	6.6
500–999.....	na	4.0	4.7	5.7	6.9	5.8
1,000–4,999.....	na	3.1	3.5	4.2	4.0	4.1
5,000–9,999.....	na	2.3	2.2	2.5	3.4	2.6
10,000–24,999.....	na	2.9	3.2	3.5	2.9	2.8
25,000 or more.....	na	2.8	3.0	3.1	2.9	3.2

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.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Industrial Research and Development (2003).