

Company and other nonfederal 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 | 2002 | 2003 |
|--|-------------------------|-------------------|---------|---------|---------|---------|
| All industries..... | 21–23, 31–33, 42, 44–81 | 161,594 | 182,844 | 185,118 | 177,467 | 183,305 |
| Manufacturing industries..... | 31–33 | 101,283 | 113,173 | 112,733 | 101,344 | 108,079 |
| Food..... | 311 | 1,132 | 1,145 | 1,818 | 2,034 | 1,987 |
| Beverage and tobacco products..... | 312 | D | 417 | 152 | 170 | 173 |
| Textiles, apparel, and leather..... | 313–16 | 334 | 266 | 255 | 248 | 309 |
| Wood products..... | 321 | 70 | 105 | 181 | 132 | 138 |
| Paper, printing, and support activities..... | 322, 323 | 2,474 | 2,700 | 2,664 | 2,620 | 2,909 |
| Petroleum and coal products..... | 324 | D | 1,172 | 1,057 | 1,233 | 1,308 |
| Chemicals..... | 325 | 20,051 | 20,768 | 17,713 | 20,395 | 22,693 |
| Basic chemicals..... | 3251 | 2,648 | 2,050 | 1,835 | 1,710 | 1,991 |
| Resin, synthetic rubber, fibers, and filament..... | 3252 | 2,216 | 2,842 | 2,745 | 2,413 | 2,390 |
| Pharmaceuticals and medicines..... | 3254 | 12,236 | 12,793 | 10,137 | 14,186 | 15,949 |
| Other chemicals..... | Other 325 | 2,951 | 3,084 | 2,996 | 2,087 | 2,364 |
| Plastics and rubber products..... | 326 | 1,785 | 1,675 | 2,245 | 1,508 | 1,729 |
| Nonmetallic mineral products..... | 327 | 595 | 845 | 978 | 420 | 470 |
| Primary metals..... | 331 | 457 | 598 | 479 | 461 | 518 |
| Fabricated metal products..... | 332 | 1,608 | 1,631 | 1,545 | 1,251 | 1,329 |
| Machinery..... | 333 | 5,658 | 6,539 | 6,337 | 6,366 | 6,224 |
| Computer and electronic products..... | 334 | 31,357 | 40,971 | 44,744 | 33,411 | 32,495 |
| Computers and peripheral equipment..... | 3341 | 4,126 | 5,162 | 3,165 | 3,015 | 2,561 |
| Communications equipment..... | 3342 | 7,215 | 13,606 | 18,721 | 9,524 | 8,932 |
| Semiconductor and other electronic components..... | 3344 | 10,624 | 12,787 | 14,210 | 11,871 | 12,607 |
| Navigational, measuring, electromedical, and control instruments..... | 3345 | 8,632 | 10,114 | 7,565 | 8,549 | 7,834 |
| Other computer and electronic products..... | Other 334 | 760 | 307 | 1,083 | 452 | 560 |
| Electrical equipment, appliances, and components..... | 335 | 3,820 | 3,390 | 4,680 | 1,978 | 2,002 |
| Transportation equipment..... | 336 | 23,928 | 22,917 | 21,004 | 21,452 | 26,111 |
| Motor vehicles, trailers, and parts..... | 3361–63 | 17,987 | 18,306 | 16,089 | 15,199 | 16,874 |
| Aerospace products and parts..... | 3364 | 5,309 | 3,895 | 4,083 | 5,349 | 8,203 |
| Other transportation equipment..... | Other 336 | 632 | 716 | 832 (S) | 905 | 1,034 |
| Furniture and related products..... | 337 | 248 | 284 | 301 | 251 | 275 |
| Miscellaneous manufacturing..... | 339 | 3,825 | 4,195 | 6,581 | 7,414 | 7,408 |
| Medical equipment and supplies..... | 3391 | 3,251 | 3,741 | 5,903 | 6,179 | 6,370 |
| Other miscellaneous manufacturing..... | Other 339 | 574 | 453 | 678 | 1,235 | 1,038 |
| Nonmanufacturing industries..... | 21–23, 42, 44–81 | 60,311 | 69,671 | 72,384 | 76,123 | 75,226 |
| Mining, extraction, and support activities..... | 21 | 2,352 | 822 | 846 | 715 | 750 |
| Utilities..... | 22 | 126 | 136 | 114 | 117 | 128 |
| Construction..... | 23 | 690 | 222 | 320 | 164 | 254 |
| Wholesale trade..... | 42 | NA | NA | NA | 24,037 | 24,970 |
| Professional and commercial equipment and supplies, including computers..... | 4214 | NA | NA | NA | 11,771 | 9,679 |
| Electrical goods..... | 4216 | NA | NA | NA | 3,935 | 3,701 |
| Drugs and druggists' sundries..... | 4222 | NA | NA | NA | 6,811 | 9,494 |
| Other wholesale trade..... | Other 42 | NA | NA | NA | 1,520 | 2,097 |
| Retail trade..... | 44, 45 | NA | NA | NA | 932 | 1,462 |

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|---|-------------------------|-------------------|---------|---------|---------|---------|
| Transportation and warehousing..... | 48, 49 | 460 | 277 | 1,776 | 339 | 272 |
| Information..... | 51 | 14,892 | 16,290 | 17,259 | 17,764 | 19,811 |
| Publishing..... | 511 | 11,253 | 12,926 | 13,716 | 13,488 | 15,760 |
| Newspaper, periodical, book, and database..... | 5111 | 371 | 365 | 649 | 614 | 665 |
| Software..... | 5112 | 10,882 | 12,561 | 13,067 | 12,874 | 15,095 |
| Broadcasting and telecommunications..... | 513 | 1,393 | 1,025 | 1,270 | 1,637 | 1,663 |
| Telecommunications..... | 5133 | D | D | 1,101 | 1,608 | 1,625 |
| Other broadcasting and telecommunications..... | Other 513 | NA | NA | NA | NA | 38 |
| Other information..... | Other 51 | 2,246 | 2,339 | 2,273 | 2,639 | 2,388 |
| Finance, insurance, and real estate..... | 52, 53 | 1,570 | 4,024 | 2,424 | 1,903 | 1,455 |
| Professional, scientific, and technical services..... | 54 | 14,379 | 17,949 | 22,640 | 24,946 | 23,755 |
| Architectural, engineering, and related services..... | 5413 | 2,402 | 2,232 | 2,365 | 2,822 | 3,261 |
| Computer systems design and related services..... | 5415 | 3,989 | 4,943 | 8,656 | 10,394 | 8,638 |
| Scientific R&D services..... | 5417 | 7,413 | 9,715 | 10,893 | 10,735 | 10,574 |
| Other professional, scientific, and technical services..... | Other 54 | 575 | 1,059 | 726 | 996 | 1,283 |
| Management of companies and enterprises..... | 55 | 72 | 49 | 381 | 148 | 67 (S) |
| Health care services..... | 621–23 | 631 | 477 | 1,120 | 4,163 | 681 |
| Other nonmanufacturing..... | 56, 61, 624, 71, 72, 81 | 640 | 713 | 1,221 | 894 | 1,619 |
| Company size (employees) | | | | | | |
| All companies..... | | 161,594 | 182,844 | 185,118 | 177,467 | 183,305 |
| 5–24..... | na | 6,393 | 5,940 | 4,175 | 3,471 | 4,824 |
| 25–49..... | na | 4,382 | 4,786 | 3,548 | 3,586 | 5,540 |
| 50–99..... | na | 6,623 | 6,745 | 7,654 | 5,701 | 4,271 |
| 100–249..... | na | 6,540 | 8,351 | 12,012 | 12,622 | 8,924 |
| 250–499..... | na | 7,407 | 6,819 | 8,143 | 7,370 | 8,869 |
| 500–999..... | na | 6,441 | 8,580 | 9,936 | 9,394 | 9,624 |
| 1,000–4,999..... | na | 23,944 | 29,860 | 26,140 | 27,640 | 29,396 |
| 5,000–9,999..... | na | 14,145 | 15,143 | 15,787 | 16,369 | 14,333 |
| 10,000–24,999..... | na | 25,980 | 27,934 | 26,161 | 25,232 | 25,576 |
| 25,000 or more..... | na | 59,740 | 68,686 | 71,561 | 66,083 | 71,949 |

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.

NOTES: R&D is industrial R&D performed within company facilities funded from all sources except the federal government. 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 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.