

Total (federal plus company and other) 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	Funds				
		1999 ^a	2000	2001 ^b	2002	2003
All industries.....	21–23, 31–33, 42, 44–81	184,129	201,962	202,017	193,868	204,004
Manufacturing industries.....	31–33	118,339	126,501	124,217	112,089	123,384
Food.....	311	1,132	D	1,819	D	D
Beverage and tobacco products.....	312	D	417	152	170	173
Textiles, apparel, and leather.....	313–16	334	D	D	D	D
Wood products.....	321	70	105	182	D	D
Paper, printing, and support activities.....	322, 323	D	D	D	D	D
Petroleum and coal products.....	324	615	D	D	D	D
Chemicals.....	325	20,246	20,918	17,892	20,641	23,001
Basic chemicals.....	3251	2,746	2,080	1,876	1,782	2,061
Resin, synthetic rubber, fibers, and filament.....	3252	D	2,852	D	2,426	2,406
Pharmaceuticals and medicines.....	3254	D	D	10,137	D	D
Other chemicals.....	Other 325	D	D	D	D	D
Plastics and rubber products.....	326	1,785	D	D	D	1,764
Nonmetallic mineral products.....	327	D	846	990	D	474
Primary metals.....	331	470	624	485	473	530
Fabricated metal products.....	332	1,655	1,672	1,599	1,355	1,374
Machinery.....	333	6,057	6,580	6,404	6,429	6,304
Computer and electronic products.....	334	37,350	47,520	50,591	38,881	39,001
Computers and peripheral equipment.....	3341	D	5,162	D	3,040	2,587
Communications equipment.....	3342	7,421	14,039	19,019	9,739	9,198
Semiconductor and other electronic components.....	3344	10,701	12,894	14,358	11,919	12,635
Navigational, measuring, electromedical, and control instruments.....	3345	14,337	15,116	12,947	13,729	14,014
Other computer and electronic products.....	Other 334	D	310	D	453	566
Electrical equipment, appliances, and components.....	335	D	D	4,980	2,039	2,073
Transportation equipment.....	336	33,965	30,085	25,965	26,145	34,273
Motor vehicles, trailers, and parts.....	3361–63	D	D	D	D	D
Aerospace products and parts.....	3364	14,425	10,319	7,868	9,654	15,731
Other transportation equipment.....	Other 336	D	D	D	D	D
Furniture and related products.....	337	248	284	301	258	D
Miscellaneous manufacturing.....	339	3,851	4,206	6,606	7,457	7,455
Medical equipment and supplies.....	3391	D	D	D	D	6,386
Other miscellaneous manufacturing.....	Other 339	D	D	D	D	1,069
Nonmanufacturing industries.....	21–23, 42, 44–81	65,790	75,461	77,799	81,779	80,620
Mining, extraction, and support activities.....	21	D	823	D	D	D
Utilities.....	22	142	D	133	D	D
Construction.....	23	691	D	320	164	333
Wholesale trade.....	42	NA	NA	NA	D	25,092
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	1,521	2,099
Retail trade.....	44, 45	NA	NA	NA	932	1,488

Total (federal plus company and other) 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	Funds				
		1999 ^a	2000	2001 ^b	2002	2003
Transportation and warehousing.....	48, 49	460	D	1,848	D	272
Information.....	51	15,389	16,830	D	17,870	D
Publishing.....	511	11,302	13,004	13,760	13,541	D
Newspaper, periodical, book, and database.....	5111	371	365	649	614	665
Software.....	5112	10,931	12,639	13,111	12,927	D
Broadcasting and telecommunications.....	513	D	1,407 (S)	D	D	1,663
Telecommunications.....	5133	D	D	D	D	1,625
Other broadcasting and telecommunications.....	Other 513	NA	NA	NA	NA	38
Other information.....	Other 51	D	2,420	D	D	D
Finance, insurance, and real estate.....	52, 53	D	4,025	D	1,903	1,455
Professional, scientific, and technical services.....	54	18,994	22,577	27,704	30,358	28,721
Architectural, engineering, and related services.....	5413	3,580	3,381	3,386	4,159	5,159
Computer systems design and related services.....	5415	D	5,169	9,154	11,983	9,786
Scientific R&D services.....	5417	10,470	12,892	14,244	13,034	12,460
Other professional, scientific, and technical services.....	Other 54	D	1,135	920	1,182	1,316
Management of companies and enterprises.....	55	D	49	381	148	67
Health care services.....	621–23	642	536	1,149	D	717
Other nonmanufacturing.....	56, 61, 624, 71, 72, 81	D	731	1,259	D	1,679
Company size (employees)						
All companies.....		184,129	201,962	202,017	193,868	204,004
5–24.....	na	7,004	6,862	4,828	4,261	5,578
25–49.....	na	4,750	5,008	3,750	3,845	6,449
50–99.....	na	7,225	7,259	8,202	6,164	4,829
100–249.....	na	7,213	9,020	12,916	13,227	9,559
250–499.....	na	7,892	7,479	8,702	8,055	9,536
500–999.....	na	7,032	9,074	10,564	9,925	10,383
1,000–4,999.....	na	24,840	30,636	26,748	28,625	30,484
5,000–9,999.....	na	16,339	16,768	17,438	17,942	15,434
10,000–24,999.....	na	26,377	28,611	27,065	26,458	27,571
25,000 or more.....	na	75,457	81,244	81,804	75,365	84,180

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 from all sources. Funds are company's own; funds from outside organizations, such as other companies, research institutions, universities and colleges, nonprofit organizations, and state governments; and funds from 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.