

Appendix table 4-20

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**Company and other nonfederal funds for industrial R&D performance in United States, by industry and company size: 2001–05**

(Millions of dollars)

Industry/size of company	NAICS code	2001	2002	2003	2004	2005
All industries.....	21–23, 31–33, 42, 44–81	185,118	177,467	182,926	188,035	204,250
Manufacturing industries.....	31–33	112,733	101,344	107,725	131,887	142,555
Food.....	311	1,818	2,034	1,987	2,249	2,710
Beverage and tobacco products.....	312	152	170	173	555 i	539 i
Textiles, apparel, and leather.....	313–16	255	248	309	568	811
Wood products.....	321	181	132	138	152	218
Paper, printing, and support activities.....	322, 323	2,664	2,620	2,909	2,308	2,451
Petroleum and coal products.....	324	1,057	1,233	1,308	1,595	1,442
Chemicals.....	325	17,713	20,395	22,693	39,070	42,826
Basic chemicals.....	3251	1,835	1,710	1,991	2,312	2,179
Resin, synthetic rubber, fibers, and filament.....	3252	2,745	2,413	2,390	2,080	2,280
Pharmaceuticals and medicines.....	3254	10,137	14,186	15,949	31,444	34,798
Other chemicals.....	Other 325	2,996	2,087	2,364	3,234	3,569
Plastics and rubber products.....	326	2,245	1,508	1,729	1,879	1,747
Nonmetallic mineral products.....	327	978	420	470	783	889
Primary metals.....	331	479	461	518	705	609
Fabricated metal products.....	332	1,545	1,251	1,329	1,465	1,323
Machinery.....	333	6,337	6,366	6,224	6,473	8,422
Computer and electronic products.....	334	44,744	33,411	32,495	40,691	42,463
Computers and peripheral equipment.....	3341	3,165	3,015	2,561	5,707	4,902
Communications equipment.....	3342	18,721	9,524	8,932	8,433	9,660
Semiconductor and other electronic components.....	3344	14,210	11,871	12,607	17,524	18,602
Navigational, measuring, electromedical, and control instruments.....	3345	7,565	8,549	7,834	7,882	8,325
Other computer and electronic products.....	Other 334	1,083	452	560	1,144	974
Electrical equipment, appliances, and components.....	335	4,680	1,978	2,002	2,622	2,322
Transportation equipment.....	336	21,004	21,452	25,757	26,019	28,321
Motor vehicles, trailers, and parts.....	3361–63	16,089	15,199	16,874	15,610	16,025
Aerospace products and parts.....	3364	4,083	5,349	7,849	9,224	10,928
Other transportation equipment.....	Other 336	832i	905	1,034	1,185	1,368
Furniture and related products.....	337	301	251	275	406	400
Miscellaneous manufacturing.....	339	6,581	7,414	7,408	4,348	5,061
Medical equipment and supplies.....	3391	5,903	6,179	6,370	3,313	4,343
Other miscellaneous manufacturing.....	Other 339	678	1,235	1,038	1,035	718
Nonmanufacturing industries.....	21–23, 42, 44–81	72,384	76,123	75,201	56,148	61,695
Mining, extraction, and support activities.....	21	846	715	750	714	669
Utilities.....	22	114	117	128	176	180
Construction.....	23	320	164	254	1,466	1,248
Wholesale trade.....	42	NA	24,037	24,970	1,540	2,144
Retail trade.....	44, 45	NA	932	1,462	1,596	1,285
Transportation and warehousing.....	48, 49	1,776	339	272	347	312
Information.....	51	17,259	17,764	19,811	22,285	23,617
Publishing.....	511	13,716	13,488	15,760	D	17,687
Newspaper, periodical, book, and database.....	5111	649	614	665	D	794
Software.....	5112	13,067	12,874	15,095	16,510	16,893
Broadcasting and telecommunications.....	513	1,270	1,637	1,663	2,215	NA
Telecommunications.....	5133	1,101	1,608	1,625	2,052	NA
Other broadcasting and telecommunications.....	Other 513	NA	NA	38	163	NA
Telecommunications.....	517	NA	NA	NA	NA	2,539
Wired and wireless (except satellite) telecommunications carriers ...	5171, 5172	NA	NA	NA	NA	2,358
Satellite telecommunications.....	5174	NA	NA	NA	NA	13
Other telecommunications.....	Other 517	NA	NA	NA	NA	168 i
Internet service providers, Web search portals, and data processing services.....	518	NA	NA	NA	NA	3,178
Internet service providers and Web search portals.....	5181	NA	NA	NA	NA	1,042
Data processing, hosting, and related services.....	5182	NA	NA	NA	NA	2,136
Other information.....	Other 51	2,273	2,639	2,388	D	213
Finance, insurance, and real estate.....	52, 53	2,424	1,903	1,455	1,708	3,030
Professional, scientific, and technical services.....	54	22,640	24,946	23,730	24,245	26,181
Architectural, engineering, and related services.....	5413	2,365	2,822	3,261	2,295	2,448
Computer systems design and related services.....	5415	8,656	10,394	8,613	11,197	13,046

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(Millions of dollars)

Industry/size of company	NAICS code	2001	2002	2003	2004	2005
Scientific R&D services .....	5417	10,893	10,735	10,574	9,383	9,473
Other professional, scientific, and technical services .....	Other 54	726	996	1,283	1,370	1,214
Management of companies and enterprises <sup>a</sup> .....	55	381	148 i	67 i	NA	NA
Health care services .....	621–23	1,120	4,163	681	495	981
Other nonmanufacturing .....	56, 61, 624, 71, 72, 81	1,221	894	1,619	1,576	2,047
Company size (employees)						
All companies .....	na	185,118	177,467	182,926	188,035	204,250
5–24 .....	na	4,175	3,471	4,824	5,610	6,297
25–49 .....	na	3,548	3,586	5,540	5,293	6,813
50–99 .....	na	7,654	5,701	4,271	5,849	6,498
100–249 .....	na	12,012	12,622	8,924	9,987	9,375
250–499 .....	na	8,143	7,370	8,869	7,832	7,738
500–999 .....	na	9,936	9,394	9,624	10,060	13,097
1,000–4,999 .....	na	26,140	27,640	29,396	30,982	33,605
5,000–9,999 .....	na	15,787	16,369	14,333	16,173	17,550
10,000–24,999 .....	na	26,161	25,232	25,551	29,647	31,646
25,000 or more .....	na	71,561	66,083	71,595	66,600	71,631

D = suppressed to avoid disclosure of confidential information; i = imputation of &gt;50%; NA = not available; na = not applicable

NAICS = North American Industry Classification System (1997 Rev. used to classify 2001–04 statistics; 2002 Rev. used for 2005)

<sup>a</sup>Estimates for management of companies and enterprises (NAICS 55), shown separately for 2001–03, included in other manufacturing for 2004 and 2005.

NOTES: R&D is industrial R&D performed within company facilities funded from all sources except federal government. Funds predominantly 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 company (e.g., R&D contracted out to other organizations) and R&D not performed within 50 United States or District of Columbia (e.g., R&D performed outside United States by foreign subsidiaries or other foreign organizations). For more technical information, see <http://www.nsf.gov/statistics/srvyindustry>, accessed 17 April 2007.

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