

Appendix table 4-56

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Company and other nonfederal funds for industrial R&D performed abroad, by NAICS industry: 1999–2003

(Millions of current U.S. dollars)

Industry/sector	NAICS code	1999	2000	2001	2002	2003
All industries.....	21–23, 31–33, 42, 44–81	16,765	17,463	17,869	24,868	28,768
Manufacturing industries.....	31–33	12,354	12,252	10,998	17,093	17,509
Food.....	311	87	95 (S)	210	300	278
Beverage and tobacco products.....	312	D	D	0	D	D
Textiles, apparel, and leather.....	313–16	D	D	26	25	31
Wood products.....	321	D	0	D	D	7
Paper, printing, and support activities.....	322, 323	D	D	D	544	694
Petroleum and coal products.....	324	D	9	D	16	20
Chemicals.....	325	3,243	3,578	2,328	3,989	4,492
Basic chemicals.....	3251	D	256	152	249	230
Resin, synthetic rubber, fibers, and filament.....	3252	D	D	D	366	385
Pharmaceuticals and medicines.....	3254	2,832	3,030	1,720	3,268	3,751
Other chemicals.....	Other 325	95	D	D	107	126
Plastics and rubber products.....	326	172	168	181	218	234
Nonmetallic mineral products.....	327	40	40	15	32	27
Primary metals.....	331	7	D	12	23	19
Fabricated metal products.....	332	75	65	61	371	311
Machinery.....	333	707	736	527	788	772
Computer and electronic products.....	334	1,902	1,705	2,562	3,763	2,927
Computers and peripheral equipment.....	3341	289	D	478 (S)	383 (S)	172
Communications equipment.....	3342	D	377	633	969	983
Semiconductor and other electronic components.....	3344	302	327	852	1,647	1,006
Navigational, measuring, electromedical, and control instruments.....	3345	1,112	679	586	756	758
Other computer and electronic products.....	Other 334	D	D	12	7	9
Electrical equipment, appliances, and components.....	335	433	455	418 (S)	279	306
Transportation equipment.....	336	3,933	3,640	2,832	5,160	5,314
Motor vehicles, trailers, and parts.....	3361–63	D	D	D	4,598	4,680
Aerospace products and parts.....	3364	D	D	138	552	624
Other transportation equipment.....	Other 336	17	D	D	10	9
Furniture and related products.....	337	D	D	D	—	D
Miscellaneous manufacturing.....	339	963	942	1,226	1,578	2,076
Medical equipment and supplies.....	3391	D	D	1,150	1,472	1,963
Other miscellaneous manufacturing.....	Other 339	D	D	76	106	113
Nonmanufacturing industries.....	21–23, 42, 44–81	4,411	5,211	6,871	7,775	11,258
Mining, extraction, and support activities.....	21	48	43	37	48	46
Utilities.....	22	0	0	0	D	D
Construction.....	23	D	D	D	D	D
Wholesale trade.....	42	NA	NA	NA	NA	7,521
Professional and commercial equipment and supplies, including computers.....	4214	NA	NA	NA	NA	4,007
Electrical goods.....	4216	NA	NA	NA	NA	141
Drugs and druggists' sundries.....	4222	NA	NA	NA	NA	2,976
Other wholesale trade.....	Other 42	NA	NA	NA	NA	397
Retail trade.....	44, 45	NA	NA	NA	NA	299
Transportation and warehousing.....	48, 49	0	0	0	0	D
Information.....	51	1,379	1,564	1,672	1,806	2,074
Publishing.....	511	637	940	983	D	1,359
Newspaper, periodical, book, and database.....	5111	0	D	8	D	24
Software.....	5112	637	D	975	1,058	1,336
Broadcasting and telecommunications.....	513	D	D	D	D	D
Telecommunications.....	5133	D	D	D	D	D
Other broadcasting and telecommunications.....	Other 513	NA	NA	NA	NA	0
Other information.....	Other 51	D	D	D	D	D
Finance, insurance, and real estate.....	52, 53	D	D	24	113	72
Professional, scientific, and technical services.....	54	523	904	881	964	1,145
Architectural, engineering, and related services.....	5413	D	371	78	D	98
Computer systems design and related services.....	5415	146	D	302	600	592
Scientific R&D services.....	5417	287	292	488	297	449
Other professional, scientific, and technical services.....	Other 54	D	D	12	D	5

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Industry/sector	NAICS code	1999	2000	2001	2002	2003
Management of companies and enterprises	55	18	D	D	D	D
Health care services	621–23	D	D	D	D	3
Other nonmanufacturing	56, 61, 624, 71, 72, 81	14	75 (S)	43	65	76

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

NAICS = North American Industry Classification System

NOTES: Data for industrial R&D performed outside 50 U.S. states and District of Columbia funded by U.S. R&D-performing companies and other sources except federal government. Starting with 1999 survey, estimates based on NAICS. In prior years, estimates based on Standard Industrial Classification System.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Industrial Research and Development (annual series), <http://www.nsf.gov/sbe/srs/indus/start.htm>.

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