

Appendix table 4-49

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Company and other nonfederal funds for industrial R&D performed abroad, by NAICS industry: 2001–05

(Millions of current U.S. dollars)

Industry/sector	NAICS code	2001	2002	2003	2004	2005
All industries.....	21–23, 31–33, 42, 44–81	17,869	24,868	28,768	31,393	31,025
Manufacturing industries.....	31–33	10,998	17,093	17,509	26,293	25,221
Food.....	311	210	300	278	377	488
Beverage and tobacco products.....	312	0	D	D	D	D
Textiles, apparel, and leather.....	313–16	26	25	31	63	89
Wood products.....	321	D	D	7	1	D
Paper, printing, and support activities.....	322, 323	D	544	694	620 i	84
Petroleum and coal products.....	324	D	16	20	25	18
Chemicals.....	325	2,328	3,989	4,492	8,893	8,133
Basic chemicals.....	3251	152	249	230	436	287
Resin, synthetic rubber, fibers, and filament.....	3252	D	366	385	411	385
Pharmaceuticals and medicines.....	3254	1,720	3,268	3,751	7,654	6,872
Other chemicals.....	Other 325	D	107	126	392	589
Plastics and rubber products.....	326	181	218	234	343	306
Nonmetallic mineral products.....	327	15	32	27	52	64
Primary metals.....	331	12	23	19	16	8
Fabricated metal products.....	332	61	371	311	328	174
Machinery.....	333	527	788	772	861	1,138
Computer and electronic products.....	334	2,562	3,763	2,927	7,520	8,767
Computers and peripheral equipment.....	3341	478 i	383 i	172	3,842	3,695
Communications equipment.....	3342	633	969	983	900	1,039
Semiconductor and other electronic components.....	3344	852	1,647	1,006	1,594	2,471
Navigational, measuring, electromedical, and control instruments.....	3345	586	756	758	1,000	1,392 i
Other computer and electronic products.....	Other 334	12	7	9	184	170
Electrical equipment, appliances, and components.....	335	418 i	279	306	409	369
Transportation equipment.....	336	2,832	5,160	5,314	6,302	4,989
Motor vehicles, trailers, and parts.....	3361–63	D	4,598	4,680	5,429	3,969
Aerospace products and parts.....	3364	138	552	624	D	1,014
Other transportation equipment.....	Other 336	D	10	9	D	6 i
Furniture and related products.....	337	D	*	D	D	4
Miscellaneous manufacturing.....	339	1,226	1,578	2,076	480	582
Medical equipment and supplies.....	3391	1,150	1,472	1,963	375	497
Other miscellaneous manufacturing.....	Other 339	76	106	113	105	85
Nonmanufacturing industries.....	21–23, 42, 44–81	6,871	7,775	11,258	5,100	5,804
Mining, extraction, and support activities.....	21	37	48	46	50	53
Utilities.....	22	0	D	D	5	10
Construction.....	23	D	D	D	13	D
Wholesale trade.....	42	NA	NA	7,521	140	476
Retail trade.....	44, 45	NA	NA	299	26	110
Transportation and warehousing.....	48, 49	0	0	D	D	D
Information.....	51	1,672	1,806	2,074	2,591	2,853
Publishing.....	511	983	D	1,359	1,867	1,983
Newspaper, periodical, book, and database.....	5111	8	D	24	28 i	29
Software.....	5112	975	1,058	1,336	1,840	1,954
Broadcasting and telecommunications.....	513	D	D	D	29	NA
Telecommunications.....	5133	D	D	D	D	NA
Other broadcasting and telecommunications.....	Other 513	NA	NA	0	D	NA
Telecommunications.....	517	NA	NA	NA	NA	156
Wired and wireless (except satellite) telecommunications carriers.....	5171, 5172	NA	NA	NA	NA	156
Satellite telecommunications.....	5174	NA	NA	NA	NA	0
Other telecommunications.....	Other 517	NA	NA	NA	NA	0
Internet service providers, Web search portals, and data processing services.....	518	NA	NA	NA	NA	699
Internet service providers and Web search portals.....	5181	NA	NA	NA	NA	49
Data processing, hosting, and related services.....	5182	NA	NA	NA	NA	649
Other information.....	Other 51	D	D	D	695	15
Finance, insurance, and real estate.....	52, 53	24	113	72	76	87
Professional, scientific, and technical services.....	54	881	964	1,145	1,993	1,951
Architectural, engineering, and related services.....	5413	78	D	98	459	138

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Industry/sector	NAICS code	2001	2002	2003	2004	2005
Computer systems design and related services	5415	302	600	592	908	1,311
Scientific R&D services.....	5417	488	297	449	572	485
Other professional, scientific, and technical services	Other 54	12	D	5	55 i	16
Management of companies and enterprises ^a	55	D	D	D	NA	NA
Health care services	621–23	D	D	3	D	11
Other nonmanufacturing	56, 61, 624, 71, 72, 81	43	65	76	204	246

D = suppressed to avoid disclosure of confidential information; i = imputation of >50%; * = ≤\$500,000; NA = not available
 NAICS = North American Industry Classification System

^aEstimates for management of companies and enterprises (NAICS 55), shown separately for 2001–03, included in other manufacturing for 2004 and 2005.

NOTES: NAICS (1997 Rev. used to classify 2001–04 statistics; 2002 Rev. used for 2005). 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/statistics/srvyindustry/>, accessed 17 April 2007.