

Appendix table 4-49

R&D performed by majority-owned affiliates of foreign companies in United States, by NAICS industry of affiliate: 1997–2002

(Millions of current U.S. dollars)

Industry/sector	NAICS code	1997	1998	1999	2000	2001	2002
Total		17,216	22,375	24,027	26,180	26,463	27,508
Manufacturing	31–33	14,270	18,788	19,991	20,990	20,054	20,228
Food	311	239	224	205	200	197	117
Printing and related support activities	323	34	42	76	54	43	38
Petroleum and coal products	324	272	479	D	D	D	D
Chemicals	325	6,754	7,770	7,679	7,341	7,563	7,997
Basic chemicals	3251	617	623	832	D	D	491
Pharmaceuticals and medicines	3254	5,304	6,381	6,191	5,943	6,124	6,703
Other chemicals	325 (minus 3251, 3254)	833	766	656	NA	NA	542
Plastics and rubber products	326	331	349	372	301	305	285
Nonmetallic mineral products	327	214	146	172	199	206	214
Primary metals	331	60	65	61	67	D	50
Fabricated metal products	332	203	181	149	213	D	154
Machinery	333	721	677	898	1,748	D	1,872
Agriculture, construction, and mining machinery	3331	103	69	290	237	201	189
Industrial machinery	3332	83	90	D	119	D	333
Other machinery	333 (minus 3331, 3332)	535	518	D	1,392	1,408	1,351
Computer and electronic products	334	3,413	4,487	5,031	6,152	4,867	4,885
Computers and peripheral equipment	3341	120	324	D	D	104	675
Communications equipment	3342	2,243	3,045	3,431	4,607	2,998	2,087
Semiconductors and other electronic components	3344	586	635	917	1,003	1,077	351
Other electronic products	334 (minus 3341, 3342, 3344)	464	483	D	NA	688	1,772
Electrical equipment, appliances, and components	335	781	885	1,195	823	875	396
Transportation equipment	336	641	2,762	3,204	3,344	3,193	3,183
Motor vehicles, bodies, and trailers	3361, 3362, 3363	500	2,555	D	3,082	2,910	2,956
Other transportation equipment	336 (minus 3361, 3362, 3363)	141	207	D	262	283	227
Other manufacturing	607	721	NA	NA	NA	NA	—
Wholesale trade	42	D	D	D	D	D	4,973
Information	51	260	329	548	790	D	723
Publishing industries	511	D	D	D	D	D	679
Motion picture and sound recording industries	512	5	1	—	—	—	3
Broadcasting and telecommunications	513	7	6	D	D	13	NA
Information services and data processing services	514	D	D	D	D	180	NA
Finance and insurance (except depository institutions)	52	12	D	D	D	D	D
Professional, scientific, and technical services	54	597	685	836	828	804	964
Architectural, engineering, and related services	5413	12	13	36	18	13	D
Computer systems design and related services	5415	281	333	315	314	204	125
Management, scientific, and technical consulting	5416	—	—	0	0	D	12
Other professional, scientific, and technical services	54 (minus 5413, 5415, 5416)	303	339	485	495	D	D

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

NAICS = North American Industry Classification System

NOTES: Preliminary estimates for 2002. Data for majority-owned (>50% ownership) nonbank U.S. affiliates of foreign parent companies. Data exclude expenditures for R&D conducted by others under contract.

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Survey of Foreign Direct Investment in the United States (annual series), <http://www.bea.gov/bea/di/1fdiop.htm>.