

Appendix table 4-44

**R&D performed by majority-owned affiliates of foreign companies in United States, by NAICS industry of affiliate: 1997–2004**

(Millions of current U.S. dollars)

Industry/sector	NAICS code	1997	1998	1999	2000	2001	2002	2003	2004
All industries.....	na	17,216	22,375	24,027	26,180	26,463	27,507	29,803	29,900
Manufacturing.....	31–33	14,270	18,788	19,991	20,990	20,054	20,128	20,988	20,891
Food.....	311	239	224	205	200	197	368	166	176
Printing and related support activities.....	323	34	42	76	54	43	39	50	D
Petroleum and coal products.....	324	272	479	D	D	D	D	D	D
Chemicals.....	325	6,754	7,770	7,679	7,341	7,563	7,610	9,957	10,045
Basic chemicals.....	3251	617	623	832	D	D	608	589	595
Pharmaceuticals and medicines.....	3254	5,304	6,381	6,191	5,943	6,124	6,373	8,505	8,605
Other chemicals.....	325 (minus 3251, 3254)	833	766	656	NA	NA	629	863	845
Plastics and rubber products.....	326	331	349	372	301	305	275	423	423
Nonmetallic mineral products.....	327	214	146	172	199	206	204	198	201
Primary metals.....	331	60	65	61	67	D	46	28	81
Fabricated metal products.....	332	203	181	149	213	D	208	165	157
Machinery.....	333	721	677	898	1,748	D	1,681	1,572	1,547
Agriculture, construction, and mining machinery.....	3331	103	69	290	237	201	387	361	220
Industrial machinery.....	3332	83	90	D	119	D	192	223	273
Other machinery.....	333 (minus 3331, 3332)	535	518	D	1,392	1,408	1,103	988	1,054
Computer and electronic products.....	334	3,413	4,487	5,031	6,152	4,867	4,985	3,340	3,279
Computers and peripheral equipment.....	3341	120	324	D	D	104	D	145	144
Communications equipment.....	3342	2,243	3,045	3,431	4,607	2,998	2,055	1,403	1,418
Semiconductors and other electronic components.....	3344	586	635	917	1,003	1,077	D	444	369
Navigational, measuring, and other instruments.....	3345	NA	NA	NA	NA	NA	1,734	1,278	1,254
Other electronic products.....	334 (minus 3341, 3342, 3344, 3345)	NA	NA	NA	NA	NA	42	70	94
Electrical equipment, appliances, and components.....	335	781	885	1,195	823	875	380	336	238
Transportation equipment.....	336	641	2,762	3,204	3,344	3,193	3,302	3,669	3,728
Motor vehicles, bodies, and trailers.....	3361, 3362, 3363	500	2,555	D	3,082	2,910	3,041	3,386	3,307
Other transportation equipment.....	336 (minus 3361, 3362, 3363)	141	207	D	262	283	261	283	421
Other manufacturing.....	607	721	NA	NA	NA	NA	708	681	666
Wholesale trade.....	42	D	D	D	D	D	4,855	6,030	6,113
Motor vehicles and motor vehicle parts and supplies.....	4211	NA	NA	NA	NA	NA	337	466	527
Electrical goods.....	4216	NA	NA	NA	NA	NA	1,079	1,554	1,536
Petroleum and petroleum products.....	4227	NA	NA	NA	NA	NA	D	D	D
Information.....	51	260	329	548	790	D	803	852	898
Publishing industries.....	511	D	D	D	D	D	763	632	591
Motion picture and sound recording industries.....	512	5	1	*	*	*	3	1	*
Broadcasting and telecommunications.....	513	7	6	D	D	13	11	9	D
Information services and data processing services.....	514	D	D	D	D	180	26	210	D
Finance and insurance (except depository institutions).....	52	12	D	D	D	D	D	13	10
Professional, scientific, and technical services.....	54	597	685	836	828	804	1,119	1,379	1,442
Architectural, engineering, and related services.....	5413	12	13	36	18	13	86	75	68
Computer systems design and related services.....	5415	281	333	315	314	204	171	278	266
Management, scientific, and technical consulting.....	5416	*	*	0	0	D	3	3	0
Other professional, scientific, and technical services.....	54 (minus 5413, 5415, 5416)	303	339	485	495	D	859	1,023	1,108

na = not applicable; D = suppressed to avoid disclosure of confidential information; \* = ≤\$500,000; NA = not available

NAICS = North American Industry Classification System

NOTES: Preliminary estimates for 2004. Data for majority-owned (&gt;50%) nonbank U.S. affiliates of foreign parent companies. Data exclude expenditures for R&amp;D conducted by others under contract.

SOURCE: Bureau of Economic Analysis, Survey of Foreign Direct Investment in the United States (annual series), <http://www.bea.gov/bea/di/di1fdiop.htm>, accessed 20 April 2007.