

Appendix table 4-25

R&D performed in United States by U.S. multinational company parent companies, by NAICS industry: 1999–2003

(Millions of current U.S. dollars)

Industry/sector	NAICS code	1999	2000	2001	2002	2003
All industries	na	126,291	135,467	143,017	136,977	139,884
Mining	21	212	329	411	274	472
Oil and gas extraction	211	53	46	49	33	25
Other	na	159	284	362	241	447
Utilities	22	81	108	59	53	60
Manufacturing	31–33	104,842	109,744	115,118	110,062	112,681
Food	311	934	890	914	1,370	1,367
Beverages and tobacco products	312	501	467	469	D	448
Textiles, apparel, and leather products	313–16	275	248	125	D	85
Wood products	321	31	D	D	78	84
Paper	322	1,478	1,498	1,358	1,376	1,325
Printing and related support activities	323	129	148	D	157	174
Petroleum and coal products	324	990	977	1,002	1,153	1,266
Chemicals	325	28,198	29,212	31,927	32,273	35,500
Basic chemicals	3251	1,627	1,569	1,742	1,456	1,502
Resins and synthetic rubber, fibers, and filaments	3252	2,784	2,963	2,972	2,530	2,553
Pharmaceuticals and medicines	3254	18,382	20,591	23,169	24,279	26,471
Soap, cleaning compounds, and toilet preparations	3256	1,957	2,249	2,153	1,768	2,683
Other	na	3,449	1,841	1,892	2,239	2,292
Plastics and rubber products	326	1,031	955	929	937	978
Nonmetallic mineral products	327	371	406	339	373	435
Primary and fabricated metals	na	1,320	1,417	1,038	1,340	1,412
Primary metals	331	760	818	484	498	501
Fabricated metal products	332	560	600	554	841	911
Machinery	333	5,252	7,196	8,561	8,405	5,431
Agriculture, construction, and mining machinery	3331	1,340	1,343	1,484	1,733	1,700
Industrial machinery	3332	1,250	1,607	1,579	1,583	1,469
Other	na	2,662	4,247	5,497	5,088	2,263
Computers and electronic products	334	30,298	35,616	38,356	33,948	33,255
Computers and peripheral equipment	3341	5,659	6,952	7,727	7,065	7,064
Communications equipment	3342	13,276	14,614	14,526	11,497	10,359
Audio and video equipment	3343	407	436	359	D	D
Semiconductors and other electronic components	3344	8,997	10,252	11,114	10,620	11,508
Navigational, measuring, and other instruments	3345	1,579	2,960	4,158	4,244	3,824
Magnetic and optical media	3346	381	402	473	D	D
Electrical equipment, appliances, and components	335	2,958	2,511	2,008	1,729	1,350
Transportation equipment	336	29,162	25,834	25,147	23,167	25,565
Motor vehicles, bodies and trailers, and parts	3361, 3362, 3363	17,513	16,223	18,183	16,535	17,251
Other	na	11,649	9,611	6,964	6,632	8,314
Furniture and related products	337	90	D	128	130	116
Miscellaneous manufacturing	339	1,826	2,176	2,570	3,067	3,890
Wholesale trade	42	4,000	3,755	4,032	2,798	2,850
Professional and commercial equipment and supplies	4214	2,635	2,404	2,489	1,388	1,164
Other durable goods	na	774	577	638	628	790
Petroleum and petroleum products	4227	D	231	238	218	195
Other nondurable goods	na	D	543	666	563	701
Information	51	6,763	8,251	9,514	9,679	9,933
Publishing industries	511	4,050	5,510	6,452	6,718	7,202
Motion picture and sound recording industries	512	D	12	12	27	30
Broadcasting and telecommunications	513	869	820	796	625	442
Broadcasting, cable networks, and program distribution	5131, 5132	D	14	14	37	72
Telecommunications	5133	D	806	782	588	369
Information services and data processing services	514	D	1,909	2,254	2,308	2,259
Finance (except depository institutions) and insurance	52	315	510	617	560	369
Finance, except depository institutions	na	240	458	477	430	249
Securities, commodity contracts, and other intermediation and related activities	523	D	254	D	290	126

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Industry/sector	NAICS code	1999	2000	2001	2002	2003
Other finance, except depository institutions	na	D	204	D	140	123
Insurance carriers and related activities	524	75	52	141	130	120
Professional, scientific, and technical services	54	8,522	10,042	10,348	10,479	10,560
Architectural, engineering, and related services	5413	49	24	18	D	D
Computer systems design and related services	5415	7,453	8,359	8,929	8,917	8,920
Management, scientific, and technical consulting	5416	D	D	D	533	554
Advertising and related services	5418	D	D	D	D	D
Other	na	716	874	802	978	982
Other industries	na	1,556	2,729	2,918	3,073	2,958
Agriculture, forestry, fishing, and hunting	11	2	2	D	D	D
Construction	23	D	D	D	D	D
Retail trade	44–45	D	D	D	D	D
Transportation and warehousing	48–49	26	8	12	5	1
Real estate and rental and leasing	53	D	6	7	D	5
Real estate	531	0	0	0	0	0
Rental and leasing (except real estate)	532	D	6	7	D	5
Management of nonbank companies and enterprises	55	0	0	0	D	0
Administration, support, and waste management	56	6	D	D	D	D
Health care and social assistance	62	D	30	32	31	32
Accommodation and food services	72	25	31	42	29	37
Accommodation	721	0	0	0	0	0
Food services and drinking places	722	25	31	42	29	37
Miscellaneous services	na	15	16	17	128	143

D = suppressed to avoid disclosure of confidential information; na = not applicable

NAICS = North American Industry Classification System

NOTES: Data include R&D performed by parent companies of U.S. multinational companies (MNCs), regardless of funding source, whether for performer itself or others, including R&D performed for federal government; data exclude R&D conducted by others under contract. U.S. MNC parent company is company that resides in United States and owns or controls at least 10% of voting securities or equivalent of foreign business enterprise. Industry data are classified by the Bureau of Economic Analysis using the International Survey Industry classification system based on the North American Industry Classification System (NAICS). Data for 1999–2003 are based on the 1997 NAICS.

SOURCE: Bureau of Economic Analysis, Survey of U.S. Direct Investment Abroad (annual series), <http://www.bea.gov/international/index.htm#omc>, accessed 15 February 2011.

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