

Appendix table 4-51

R&D performed abroad by majority-owned foreign affiliates of U.S. parent companies, by country/economy/region: 1994–2002

(Millions of current U.S. dollars)

Country/economy/region	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total	11,877	12,582	14,039	14,593	14,664	18,144	20,457	19,702	21,151
Manufacturing	10,053	10,791	12,205	12,505	12,819	16,388	18,455	17,383	18,696
Country/region									
Canada	836	1,068	1,563	1,823	1,750	1,681	2,332	2,131	2,345
Europe	8,676	9,144	9,662	10,003	10,387	12,217	12,870	12,060	D
Belgium	469	292	356	310	320	375	412	407	511
France	1,372	1,271	1,315	1,281	1,328	1,452	1,465	1,411	1,480
Germany	2,849	3,068	3,073	2,940	3,022	3,377	3,115	3,280	3,603
Ireland	396	171	193	320	363	251	465	537	D
Italy	365	346	554	569	584	504	592	541	567
Netherlands	415	495	547	480	384	374	369	475	477
Spain	D	288	327	181	184	D	213	181	199
Sweden	72	691	443	405	445	1,036	1,341	813	1,316
Switzerland	191	242	190	230	223	231	286	392	405
United Kingdom	2,158	1,935	2,139	2,843	3,065	4,000	4,111	3,642	3,735
Asia/Pacific	1,775	1,865	2,076	1,869	1,603	3,226	3,936	4,194	3,881
Australia	230	287	409	369	290	294	349	286	329
China	7	13	25	35	52	319	506	D	646
Hong Kong	51	55	38	82	66	214	D	289	D
India	5	5	9	22	23	20	D	D	80
Indonesia	5	9	6	5	4	1	2	3	3
Japan	1,130	1,286	1,333	1,089	962	1,523	1,630	1,507	1,433
Korea	17	29	34	41	29	101	143	157	167
Malaysia	27	21	23	32	30	161	218	D	D
New Zealand	7	9	16	18	15	9	8	10	6
Philippines	14	23	14	12	10	31	40	48	50
Singapore	167	63	88	73	62	426	551	755	589
Taiwan	110	61	75	84	55	122	143	139	70
Thailand	3	5	5	5	4	7	13	18	22
Latin America/other									
Western Hemisphere	477	389	546	663	748	613	663	562	D
Argentina	21	22	42	43	56	26	38	43	24
Brazil	238	249	346	437	446	288	253	199	306
Chile	2	15	6	7	6	4	11	8	6
Colombia	8	9	9	12	11	6	10	11	10
Costa Rica	2	2	2	4	6	2	D	4	7
Mexico	183	58	121	126	191	238	303	248	284
Venezuela	17	25	9	11	14	40	22	24	42
Middle East	98	97	170	208	141	389	630	726	889
Israel	96	97	169	208	141	389	630	726	889
Africa	15	19	21	26	35	18	25	29	D
South Africa	14	17	18	22	30	14	21	24	D
Addenda									
Eastern Europe	5	18	36	48	79	54	83	38	68
European Union	8,271	8,852	9,386	9,691	10,058	11,900	12,472	11,578	D
OPEC	24	35	16	18	19	42	25	27	46

D = data withheld to avoid disclosing operations of individual companies

OPEC = Organization of the Petroleum Exporting Countries

NOTES: Data for majority-owned (>50% ownership) nonbank foreign affiliates of nonbank U.S. parents. Data include R&D expenditures performed by affiliates, whether for themselves or for others, under contract. Data exclude R&D expenditures made by others for affiliates under contract. Manufacturing data exclude petroleum manufacturing before 1999. European Union includes 12 countries for 1994 and 15 countries thereafter. Preliminary estimates for 2002.

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, Survey of U.S. Direct Investment Abroad (annual series), <http://www.bea.gov/bea/di/di1usdop.htm>.