

Appendix table 4-49

R&D expenditures by majority-owned affiliates of foreign companies in United States, by region/country of ultimate beneficial owner: 1980 and 1987–2000

(Millions of current U.S. dollars)

R&D expenditures	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total	1,517	4,497	5,485	6,720	8,511	9,127	10,745	11,262	12,671	14,846	15,641	17,216	22,375	24,027	26,089
Manufacturing	1,245	3,809	4,773	5,915	7,282	7,839	9,056	9,560	10,855	12,828	13,090	14,270	18,788	19,991	20,554
Total expenditures by region/country															
Canada	113	D	D	D	D	D	D	D	D	1,337	1,452	1,668	2,352	2,385	3,664
Europe	1,217	3,458	4,241	5,414	6,762	7,275	8,325	8,628	9,487	11,442	11,535	12,327	16,425	18,055	18,610
France	39	332	402	510	766	913	1,230	1,190	1,383	1,529	1,680	1,783	1,881	2,434	2,135
Germany	281	824	963	1,216	1,435	1,596	1,855	2,003	2,147	3,563	2,747	2,923	5,381	6,135	5,610
Italy	D	D	73	93	151	143	91	132	157	172	D	D	D	294	D
Netherlands	D	540	615	690	757	642	685	674	719	786	937	990	964	1,296	1,366
Sweden	D	124	160	205	271	225	322	180	263	D	D	687	713	428	374
Switzerland	329	D	D	1,060	1,455	1,637	1,873	2,117	2,127	2,490	2,699	2,369	3,076	3,008	3,013
United Kingdom	247	790	1,085	1,568	1,809	1,987	2,090	2,139	2,428	2,316	2,575	2,984	3,720	3,678	5,018
Asia and Pacific	D	179	345	412	796	834	1,080	1,232	1,397	1,611	2,116	2,642	2,961	2,820	2,840
Japan	D	133	282	369	709	741	938	1,112	1,200	1,259	1,531	2,036	2,584	2,535	2,617
Other Asian and Pacific countries	D	46	63	43	87	93	142	120	197	352	585	606	377	285	223
Latin America and other															
Western Hemisphere	155	329	302	352	314	330	534	D	610	317	364	373	396	564	735
Middle East	2	14	9	10	9	9	20	38	62	72	100	103	132	D	D
Africa	D	D	D	D	D	D	4	5	2	D	D	D	D	D	D

D data withheld to avoid disclosing operations of individual companies

NOTES: Data are for majority-owned (more than 50 percent) nonbank U.S. affiliates of foreign parent companies. Data for 1980 and 1987–96 are for R&D funded by affiliates; 1997 to latest data are for R&D performed by affiliates. Manufacturing data exclude petroleum manufacturing before 1997. Estimates for 2000 are preliminary. Total R&D funded is based on R&D spending according to the funding source. Total R&D performed refers to R&D expenditures according to who conducts the R&D activity, whether for the performer itself or for others under contract, and excludes R&D expenditures conducted by others under contract. Ultimate beneficial owner (UBO) refers to the person proceeding up the U.S. affiliate's ownership chain beginning with and including the foreign parent that is not owned more than 50 percent by another person.

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/ea/di/di1fdiop.htm>.

Science & Engineering Indicators – 2004