

Appendix table 4-23

R&D performed by majority-owned affiliates of foreign companies in the United States, by region/country/economy of ultimate beneficial owner: 1997–2010

(Millions of current U.S. dollars)

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total	17,216	22,375	24,027	26,180	26,463	27,507	29,803	30,083	31,099	34,625	40,967	40,727	40,425	41,272
Canada	1,668	2,352	2,385	3,693	2,136	1,599	1,380	1,459	1,553	1,581	1,574	1,294	1,120	575
Europe	12,327	16,425	18,055	18,634	19,973	20,532	22,518	22,825	23,389	26,100	31,330	30,273	29,947	31,282
Belgium	D	D	175	167	108	87	117	137	136	288	353	506	440	237
Denmark	97	127	D	D	D	114	100	160	319	371	368	377	363	405
Finland	D	D	166	157	601	544	D	D	D	D	371	588	514	643
France	1,783	1,881	2,434	2,596	2,662	2,860	3,777	3,800	3,099	3,289	5,589	5,802	5,020	5,248
Germany	2,923	5,381	6,135	5,603	5,686	5,863	5,976	5,916	6,519	6,857	5,893	5,696	5,529	5,679
Ireland	D	56	D	D	D	369	D	266	247	207	257	324	899	907
Italy	D	D	294	D	D	261	225	230	262	344	358	370	386	425
Netherlands	990	964	1,296	1,421	1,660	1,696	1,612	1,319	1,470	1,678	1,729	1,821	1,774	1,910
Spain	D	D	D	D	26	D	44	D	D	D	40	67	108	104
Sweden	687	713	428	373	465	270	261	270	272	344	388	345	504	440
Switzerland	2,369	3,076	3,008	2,922	3,107	2,920	3,791	4,185	4,289	5,014	6,395	6,940	8,889	9,086
United Kingdom	2,984	3,720	3,678	4,632	4,819	5,427	5,723	5,807	5,994	6,924	9,470	7,247	5,304	5,975
Other	*	1	1	3	3	5	6	6	D	32	119	191	218	222
Latin America and OWH	373	396	564	735	1,126	1,066	D	D	D	D	1,666	1,773	1,656	1,521
South and Central America	D	D	92	D	112	D	D	D	D	D	D	23	119	73
Brazil	*	*	*	*	*	0	0	0	0	* e	*	*	*	4
Mexico	D	55	D	D	D	45	14 e	17 e	18 e	16 e	6	D	5	D
Venezuela	3	0	0	0	0	0	0	*	*	0	0	0	0	0
Other	*	*	*	*	*	2	*	3	3	3	D	D	113	D
OWH	D	D	472	D	1,014	D	1,180	1,069	1,121	1,249	D	1,750	1,537	1,448
Bermuda	D	D	D	D	D	D	853	873	909	950	D	1,224	D	498
United Kingdom Islands, Caribbean	1	1	1	D	D	D	D	D	D	D	D	D	D	D
Other	0	0	0	0	0	*	* e	D	D	D	D	D	D	D
Africa	D	D	D	D	36	33	31	36	35	35	D	9	7	D
South Africa	D	D	D	D	36	33	31	36	35	35	D	9	7	D
Other	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Middle East	103	132	D	D	177	175	D	D	D	D	306	358	465	0
Israel	95	117	D	102	99	89	106	123	135	147	149	204	306	524
Saudi Arabia	1	7	9	10	11	D	D	D	D	D	108	104	98	D
United Arab Emirates	*	0	0	0	0	0	0	0	0	0	0	0	9	88
Other	7	8	7	D	66	D	71 e	41	42	28	49	50	52	6
Asia and Pacific	2,642	2,961	2,820	2,864	2,946	3,413	3,763	3,763	4,067	4,698	5,069	5,689	6,047	6,183
Australia	D	D	32	34	33	36	43 e	42	90	174	170	155	65	91
China	D	9	D	D	D	18	5	14	D	D	0	17	26	58
Hong Kong	4	1	1	*	D	D	D	D	62	75	D	147	121	114
India	NA	NA	NA	NA	NA	0	* e	0	0	0	6	23	29	39
Japan	2,036	2,584	2,535	2,644	2,719	3,159	3,470	3,414	3,576	4,056	4,416	4,781	5,124	5,112

Appendix table 4-23

R&D performed by majority-owned affiliates of foreign companies in the United States, by region/country/economy of ultimate beneficial owner: 1997–2010

(Millions of current U.S. dollars)

Region/country/economy	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Singapore	D	16	13	9	1	D	18	20 e	25	42 e	69	139	253	273
South Korea	D	D	D	D	D	D	D	D	D	D	215	259	280	350
Taiwan	78	73	68	47	43	83	102 e	102 e	122	113 e	110	118	119	116
Other	*	*	0	0	0	0	1	1	*	D	D	50	29	31
United States	D	D	55	62	69	689	D	D	692	721 e	D	1,330	1,184	D
Addenda:														
European Union ^a	9,902	13,326	14,980	15,659	16,787	17,554	18,676	18,570	18,991	21,041	24,854	23,210	20,921	22,061
OPEC	10	16	19	17	18	18	D	D	D	D	108	105	107	94

* = ≤ \$500,000; D = suppressed to avoid disclosure of confidential information; e = > 50% of value for data cell estimated to account for data not reported by respondents; NA = not available.

OPEC = Organization of the Petroleum Exporting Countries; OWH = other Western Hemisphere.

^a Reflects the country composition of the European Union for the given year.

NOTES: Data for 2010 are preliminary estimates. Data are for R&D performance of majority-owned (> 50%) U.S. affiliates of foreign parent companies. Nonbank U.S. affiliates for 1997–2006; bank and nonbank U.S. affiliates for 2007 and forward. Total R&D performed refers to R&D expenditures according to who conducts R&D activity, whether for themselves or for others under contract, and excludes R&D expenditures conducted by others under contract. The ultimate beneficial owner is the person proceeding up the U.S. affiliate's ownership chain beginning with and including a foreign parent not owned > 50% by another person. Detail may not add to total due to rounding.

SOURCE: Bureau of Economic Analysis, Survey of Foreign Direct Investment in the United States (annual series), <http://www.bea.gov/international>, accessed 26 January 2013.

Science and Engineering Indicators 2014