

Appendix table 4-27

R&D performed abroad by majority-owned foreign affiliates of U.S. parent companies, by selected NAICS industry of affiliate: 2004–08

(Millions of current U.S. dollars)

Industry	NAICS code	2004	2005	2006	2007	2008
All industries	na	25,840	27,653	29,583	34,446	41,699
Mining	21	12	13	23	63	105
Oil and gas extraction	211	4	3	13	38	51
Other	na	8	9	10	25	54
Utilities	22	4	5	7	*	*
Manufacturing	31–33	22,400	23,508	24,172	27,825	31,553
Food	311	627	358	428	517	570
Beverage and tobacco products	312	23	18	18	37	41
Textiles, apparel, and leather products	313–16	68	44	69	89	62
Wood products	321	5	6	5	5	3
Paper manufacturing	322	88	63	66	50	63
Printing and related support activities	323	11	12	6	9	8
Petroleum and coal products	324	45	25	27	26	22
Chemicals	325	5,629	6,589	6,442	8,670	8,821
Basic chemicals	3251	135	142	163	165	206
Resin, synthetic rubber, fiber, and filament	3252	235	237	254	253	247
Pharmaceuticals and medicines	3254	4,770	5,665	5,442	7,502	7,563
Soap, cleaning compound, and toilet preparation	3256	106	151	139	248	222
Other	na	382	393	444	501	584
Plastic and rubber products	326	201	358	388	455	494
Nonmetallic mineral products	327	378	50	43	47	78
Primary and fabricated metals	na	167	303	327	347	356
Primary metals	331	41	53	60	48	72
Fabricated metal products	332	127	250	267	299	283
Machinery	333	781	938	1,120	1,260	1,443
Agriculture, construction, and mining machinery	3331	245	315	330	355	481
Industrial machinery	3332	93	108	256	312	334
Other	na	443	515	533	593	628
Computer and electronic products	334	5,076	4,822	4,954	4,897	7,582
Computer and peripheral equipment	3341	472	211	154	223	1,206
Communication equipment	3342	2,757	1,961	2,005	1,767	1,965
Audio and video equipment	3343	D	D	D	D	D
Semiconductor and other electronic components	3344	1,271	1,928	2,014	1,917	3,115
Navigational, measuring, and other instruments	3345	517	546	589	676	D
Magnetic and optical media	3346	D	D	D	D	8
Electrical equipment, appliances, and components	335	533	623	652	474	515
Transportation equipment	336	7,926	8,021	8,505	9,663	10,035
Motor vehicles, bodies and trailers, and parts	3361, 3362, 3363	7,362	7,471	7,911	9,067	9,412
Other	na	564	550	595	596	623
Furniture and related products	337	43	18	17	7	8
Miscellaneous manufacturing	339	798	1,261	1,102	1,275	1,451
Wholesale trade	42	796	931	1,131	1,365	2,087
Professional and commercial equipment and supplies	4234	312	327	466	473	1,291
Petroleum and petroleum products	4247	2	2	3	3	2
Drugs and druggists' sundries	4242	57	65	148	351	529
Other	na	426	536	515	538	266
Information	51	576	689	1,053	1,618	1,800
Publishing	511	547	612	980	D	1,602
Motion picture and sound recording industries	512	0	*	*	0	0
Broadcasting (except Internet) and telecommunications	na	5	D	5	D	D
Broadcasting (except Internet)	515	1	D	1	D	1
Telecommunications	517	4	D	3	5	D
Internet, data processing, and other information services	516, 518, 519	23	D	68	D	D
Finance (except depository institutions) and insurance	52	2	5	1	*	3
Finance (except depository institutions)	na	2	4	1	*	3

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Industry	NAICS code	2004	2005	2006	2007	2008
Securities, commodity contracts, and other intermediation and related activities	523	2	4	1	*	3
Other finance (except depository institutions)	na	0	*	*	0	0
Insurance carriers and related activities	524	*	1	*	*	*
Professional, scientific, and technical services	54	1,986	2,371	3,098	3,439	6,019
Architectural, engineering, and related services	5413	D	61	73	D	183
Computer systems design and related services	5415	731	1,218	1,290	987	1,965
Management, scientific, and technical consulting	5416	D	14	D	D	396
Advertising and related services	5418	2	2	2	3	3
Other	na	1,114	1,076	D	2,133	3,472
Other industries	na	65	132	98	135	132
Agriculture, forestry, fishing, and hunting	11	D	9	9	10	11
Construction	23	7	2	7	1	1
Retail trade	44–45	4	16	18	60	D
Transportation and warehousing	48–49	0	*	3	1	1
Real estate, rental, and leasing	53	*	1	1	2	2
Real estate	531	0	0	0	0	0
Rental and leasing (except real estate)	532	*	1	1	2	2
Management of nonbank companies and enterprises	55	D	60	8	10	31
Administration, support, and waste management	56	6	33	41	46	D
Health care and social assistance	62	0	0	0	0	0
Accommodation and food services	72	*	3	3	3	3
Accommodation	721	0	0	0	0	*
Food services and drinking places	722	*	3	3	3	3
Miscellaneous services	na	7	7	8	2	12

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

NAICS = North American Industry Classification System.

NOTES: Data for 2008 are revised. Data are for majority-owned (> 50%) nonbank foreign affiliates of nonbank U.S. parent companies. Nonbank U.S. Affiliates for 1997–2006; bank and nonbank U.S. Affiliates for 2007 and forward. Data include R&D expenditures performed by affiliates, whether for themselves or for others under contract. Data exclude R&D expenditures by others for affiliates under contract. Industries are classified by the Bureau of Economic Analysis using the International Survey Industry classification system based on the NAICS. Data for 2004–08 are based on the 2002 NAICS.

SOURCE: Bureau of Economic Analysis, Survey of U.S. Direct Investment Abroad (annual series), <http://www.bea.gov/international/index.htm#omc>, accessed 14 January 2013.

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