

Appendix table 4-28

R&D performed abroad by majority-owned foreign affiliates of U.S. parent companies, by selected NAICS industry of affiliate: 2009 and 2010

(Millions of current U.S. dollars)

Industry	NAICS code	2009	2010
All industries	na	39,205	39,470
Mining	21	119	38
Oil and gas extraction	211	D	10
Other	na	D	27
Manufacturing	31–33	27,141	27,571
Food	311	514	464
Beverage and tobacco products	312	71	77
Textile, apparel, and leather products	313–16	68	70
Wood products	321	2	2
Paper manufacturing	322	66	68
Printing and related support activities	323	9	23
Petroleum and coal products	324	D	D
Chemicals	325	8,757	8,532
Basic chemicals	3251	174	212
Resin, synthetic rubber, fiber, and filament	3252	295	290
Pharmaceuticals and medicines	3254	7,436	7,262
Soap, cleaning compound, and toilet preparation	3256	222	208
Other	na	630	561
Plastic and rubber products	326	329	386
Nonmetallic mineral products	327	93	109
Primary and fabricated metals	na	245	281
Primary metals	331	61	108
Fabricated metal products	332	184	173
Machinery	333	1,361	1,448
Agriculture, construction, and mining machinery	3331	421	477
Industrial machinery	3332	280	295
Other	na	661	676
Computer and electronic products	334	6,108	6,030
Computer and peripheral equipment	3341	963	1,068
Communication equipment	3342	D	D
Audio and video equipment	3343	D	D
Semiconductor and other electronic components	3344	2,590	2,808
Navigational, measuring, and other instruments	3345	870	879
Magnetic and optical media	3346	*	*
Electrical equipment, appliances, and components	335	532	703
Transportation equipment	336	7,837	7,584
Motor vehicles, bodies and trailers, and parts	3361, 3362, 3363	7,276	7,036
Other	na	561	547
Furniture and related products	337	7	29
Miscellaneous manufacturing	339	D	D
Wholesale trade	42	2,074	1,975
Professional and commercial equipment and supplies	4234	1,165	1,296
Petroleum and petroleum products	4247	2	2
Drugs and druggists' sundries	4242	514	D
Other	na	393	D
Retail trade	44–45	D	26
General merchandise stores	452	D	1
Clothing and clothing accessories stores	448	0	0
Other	–	D	25
Information	51	1,698	2,018
Publishing	511	1,407	D
Motion picture and sound recording industries	512	0	0
Broadcasting (except Internet) and telecommunications	na	D	5
Broadcasting (except Internet)	515	*	1

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Industry	NAICS code	2009	2010
Telecommunications	517	D	4
Data processing, hosting, and related services	518	D	14
Other information services	519	252	D
Finance and insurance	52	1	8
Depository credit intermediation (banking)	5221, 551111	0	*
Finance (except depository institutions)	other 522, 523, 525	1	7
Insurance carriers and related activities	524	0	0
Professional, scientific, and technical services	54	8,080	7,759
Architectural, engineering, and related services	5413	107	102
Computer systems design and related services	5415	2,270	2,097
Management, scientific, and technical consulting	5416	418	344
Advertising and related services	5418	3	1
Other	na	5,284	5,215
Other industries	na	D	76
Agriculture, forestry, fishing, and hunting	11	4	D
Construction	23	1	2
Utilities	22	1	5
Transportation and warehousing	48–49	3	3
Real estate, rental, and leasing	53	1	1
Management of nonbank companies and enterprises	55 (except 551111)	4	4
Administration, support, and waste management	56	23	27
Health care and social assistance	62	0	0
Accommodation and food services	72	4	D
Miscellaneous services	na	D	10

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

NAICS = North American Industry Classification System.

NOTES: Data for 2010 are preliminary estimates. Data are for majority-owned (> 50%) foreign affiliates of U.S. parent companies. 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 2009–10 are based on the 2007 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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