

Appendix table 4-29

R&D performed in the United States by U.S. multinational company parent companies, by NAICS industry: 2004–08

(Millions of current U.S. dollars)

Industry	NAICS code	2004	2005	2006	2007	2008
All industries	na	164,189	177,598	184,428	203,678	198,762
Mining	21	D	403	538	644	685
Oil and gas extraction	211	D	D	8	14	16
Other	na	418	D	530	631	669
Utilities	22	26	31	28	29	17
Manufacturing	31–33	129,246	143,335	146,435	159,182	150,405
Food	311	1,636	1,311	1,739	1,862	1,838
Beverage and tobacco products	312	125	502	497	336	368
Textiles, apparel, and leather products	313–16	85	195	216	152	131
Wood products	321	96	113	121	46	74
Paper manufacturing	322	1,375	1,408	1,596	1,474	1,152
Printing and related support activities	323	132	96	52	45	92
Petroleum and coal products	324	1,327	2,155	2,289	2,583	2,642
Chemicals	325	41,459	45,004	44,832	51,033	46,377
Basic chemicals	3251	1,464	1,381	1,420	1,601	1,719
Resin, synthetic rubber, fiber, and filament	3252	2,557	2,510	2,417	2,541	2,571
Pharmaceuticals and medicines	3254	32,507	36,352	36,698	41,962	37,803
Soap, cleaning compound, and toilet preparation	3256	2,612	2,510	2,200	2,780	1,931
Other	na	2,318	2,252	2,097	2,149	2,352
Plastic and rubber products	326	870	1,079	1,287	1,304	1,290
Nonmetallic mineral products	327	377	389	397	406	361
Primary and fabricated metals	na	1,513	1,165	1,082	991	1,133
Primary metals	331	487	544	444	439	474
Fabricated metal products	332	1,026	621	638	553	660
Machinery	333	4,968	5,492	5,892	7,398	8,017
Agriculture, construction, and mining machinery	3331	1,770	1,955	2,359	2,429	2,620
Industrial machinery	3332	1,066	1,210	2,024	2,155	1,907
Other	na	2,132	2,327	1,509	2,815	3,490
Computer and electronic products	334	34,187	36,560	40,124	41,169	36,870
Computer and peripheral equipment	3341	7,176	7,015	8,081	8,027	6,958
Communication equipment	3342	9,253	9,255	9,336	12,043	9,213
Audio and video equipment	3343	315	360	D	D	D
Semiconductor and other electronic components	3344	13,021	15,020	16,748	15,374	14,234
Navigational, measuring, and other instruments	3345	D	4,807	5,478	5,202	5,934
Magnetic and optical media	3346	D	103	D	D	D
Electrical equipment, appliances, and components	335	1,679	1,618	2,748	2,056	2,605
Transportation equipment	336	35,580	41,692	38,809	43,543	42,438
Motor vehicles, bodies and trailers, and parts	3361, 3362, 3363	15,264	18,687	14,840	15,610	13,329
Other	na	20,316	23,005	23,969	27,933	29,109
Furniture and related products	337	133	217	226	244	248
Miscellaneous manufacturing	339	3,703	4,341	4,528	4,540	4,768
Wholesale trade	42	D	5,072	5,428	5,876	7,505
Professional and commercial equipment and supplies	4234	D	1,650	1,621	1,625	3,110
Petroleum and petroleum products	4247	D	D	D	D	D
Drugs and druggists' sundries	4242	287	D	D	D	D
Other	na	3,028	2,889	3,289	3,653	3,633
Information	51	14,657	13,161	15,047	17,981	18,621
Publishing	511	11,029	9,504	10,995	12,267	13,595
Motion picture and sound recording industries	512	18	D	D	D	D
Broadcasting (except Internet) and telecommunications	na	587	D	D	D	D
Broadcasting (except Internet)	515	88	D	D	D	D
Telecommunications	517	499	D	236	1,262	D
Internet, data processing, and other information services	516, 518, 519	3,023	3,197	3,762	4,277	3,581
Finance (except depository institutions) and insurance	52	221	228	260	180	200
Finance (except depository institutions)	na	103	146	166	D	142

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Industry	NAICS code	2004	2005	2006	2007	2008
Securities, commodity contracts, and other intermediation and related activities	523	D	D	D	D	140
Other finance (except depository institutions)	na	D	D	D	D	3
Insurance carriers and related activities	524	118	82	94	D	58
Professional, scientific, and technical services	54	13,216	13,750	15,007	16,162	16,976
Architectural, engineering, and related services	5413	154	D	149	149	130
Computer systems design and related services	5415	8,983	9,133	9,246	10,081	10,821
Management, scientific, and technical consulting	5416	132	115	D	D	24
Advertising and related services	5418	D	D	D	D	1
Other	na	D	4,323	5,537	5,852	6,000
Other industries	na	1,523	1,617	1,684	3,623	4,354
Agriculture, forestry, fishing, and hunting	11	39	46	12	13	8
Construction	23	3	4	4	D	D
Retail trade	44–45	D	D	D	D	D
Transportation and warehousing	48–49	1	D	D	D	D
Real estate, rental, and leasing	53	D	D	D	D	D
Real estate	531	0	0	0	0	0
Rental and leasing (except real estate)	532	D	D	D	D	D
Management of nonbank companies and enterprises	55	D	0	0	0	1
Administration, support, and waste management	56	D	D	D	D	D
Health care and social assistance	62	24	D	D	D	D
Accommodation and food services	72	9	D	D	D	57
Accommodation	721	0	0	0	0	0
Food services and drinking places	722	9	D	D	D	57
Miscellaneous services	na	174	189	248	265	298

D = suppressed to avoid disclosure of confidential information; na = not applicable.

NAICS = North American Industry Classification System.

NOTES: Data for 2008 are revised. Industries are classified using Bureau of Economic Analysis International Survey Industry classification system based on the NAICS. Data for 2004–08 are based on the 2002 NAICS and are not fully comparable with earlier data. Data include R&D performed by nonbank parent companies of U.S. multinational companies (MNCs), regardless of funding source, whether for the performer itself or others, including R&D performed for federal government; data exclude R&D conducted by others under contract. A U.S. MNC parent company is a company that resides in the United States and owns or controls at least 10% of voting securities or the equivalent of foreign business enterprise.

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