

TABLE 31. Sales and R&D costs (paid for by company and paid for by others) for parent companies of U.S. MNCs, by industry and company size: BRDIS 2010
(Millions of U.S. dollars)

Industry and company size	NAICS code	Sales		R&D paid for by company				R&D paid for by others			
		Worldwide	Originating from domestic operations	Worldwide	Performed by company		Paid to others	Worldwide	Performed by company		Paid to others
					Domestic	Foreign			Domestic	Foreign	
All industries	21-23, 31-33, 42-81	8,586,970	5,754,824	239,764	162,421	47,911	29,432	46,929	34,742	2,896	9,291
Manufacturing industries	31-33	5,627,775	3,508,199	189,576	124,983	37,879	26,714	39,006	29,581	955	8,470
Food	311	471,484	318,796	3,812	2,750	627	435	100	88	D	D
Beverage and tobacco products	312	228,704	103,056	1,371	624	D	D	D	3	0	D
Textile, apparel, and leather	313-16	26,816	22,764	263	232	25	6	*	0	*	0
Wood products	321	16,677	13,789	112	D	D	D	D	D	0	D
Printing and related support activities	323	23,281	21,059	63	57	3	3	*	*	*	0
Chemicals	325	1,247,810	784,437	73,536	42,470	12,478	18,588	3,554	2,113	286	1,154
Basic chemicals	3251	305,197	224,869	1,928	D	635	D	D	D	D	D
Resin, synthetic rubber, fibers, and filament	3252	140,764	101,446	820	D	225	D	D	D	*	1
Pharmaceuticals and medicines	3254	479,997	297,240	63,422	35,642	9,943	17,837	3,184	1,760	279	1,145
Other chemicals	other 325	321,853	160,882	7,366	D	1,675	D	D	D	D	D
Plastics and rubber products	326	109,879	81,846	1,201	D	267	D	D	D	D	D
Nonmetallic mineral products	327	41,784	31,370	1,299	968	213	118	9	7	D	D
Primary metals	331	125,220	98,355	594	377	99	118	55	46	*	8
Fabricated metal products	332	44,371	35,760	499	441	42	16	6	6	0	*
Machinery	333	288,285	163,455	9,350	7,132	1,820	399	181	147	15	19
Computer and electronic products	334	879,000	463,182	54,384	40,852	11,394	2,138	7,317	6,737	252	327
Communications equipment	3342	126,332	86,723	12,225	D	2,624	D	1,285	D	D	D
Semiconductor and other electronic components	3344	192,886	66,900	23,270	17,324	5,523	423	352	286	61	5
Navigational, measuring, electromedical, and control instruments	3345	239,698	167,068	9,911	7,523	1,666	721	5,523	5,135	114	274
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	320,085	142,491	8,978	D	1,581	D	157	D	D	D
Electrical equipment, appliances, and components	335	129,142	77,267	3,205	1,931	1,155	119	68	58	D	D
Transportation equipment	336	1,106,576	754,399	30,932	19,273	7,696	3,962	27,232	19,908	391	6,933
Automobiles, bodies, trailers, and parts	3361-63	666,617	431,431	18,114	D	5,989	D	D	D	166	D
Aerospace products and parts	3364	390,042	283,117	12,024	9,179	1,607	1,238	24,675	18,087	225	6,363
Other transportation	other 336	49,918	39,852	794	D	101	D	D	D	0	D
Furniture and related products	337	15,792	11,879	144	118	26	*	0	0	0	0
Miscellaneous manufacturing	339	318,736	263,226	6,137	4,686	1,027	424	147	141	D	D
Medical equipment and supplies manufacturing	3391	262,548	234,280	4,783	D	816	D	D	D	D	0
Other miscellaneous manufacturing	3399	56,189	28,946	1,354	D	211	D	D	D	0	D
Other manufacturing	322, 324	554,216	263,559	2,675	D	396	D	D	D	*	2
Nonmanufacturing industries	21-23, 42-81	2,959,196	2,246,626	50,188	37,438	10,031	2,719	7,924	5,161	1,942	821
Mining, extraction, and support activities	21	648,404	402,507	2,323	1,913	211	199	261	250	D	D
Wholesale trade	42	57,029	39,859	224	D	9	D	D	D	0	0
Information	51	806,848	618,232	36,954	27,891	7,033	2,030	467	443	D	D
Publishing	511	378,655	238,230	28,573	D	6,188	D	D	D	D	D
Telecommunications	517	288,261	284,433	2,406	D	D	D	D	D	*	D

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Industry and company size	NAICS code	Sales		R&D paid for by company				R&D paid for by others			
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					Domestic	Foreign			Domestic	Foreign	
Data processing, hosting, and related services	518	25,103	18,455	D	746	D	D	0	0	0	0
Other information	other 51	114,830	77,114	D	4,392	D	8	*	*	0	0
Professional, scientific, and technical services	54	357,606	248,598	7,198	4,982	1,913	303	6,892	4,177	1,905	810
Architectural, engineering, and related services	5413	68,110	38,662	308	267	D	D	D	415	D	D
Computer systems design and related services	5415	176,406	109,477	4,900	3,360	1,464	76	D	86	D	D
Scientific research and development services	5417	54,286	48,877	715	433	168	114	5,371	2,801	D	D
Other professional, scientific, and technical services	other 54	58,804	51,582	1,275	922	D	D	D	874	D	D
Other nonmanufacturing	22-23, 44-49, 52-53, 55-81	1,089,308	937,429	3,489	D	866	D	D	D	D	D
All companies	21-23, 31-33, 42-81	8,586,970	5,754,824	239,764	162,421	47,911	29,432	46,929	34,742	2,896	9,291
Small companies (5-499 domestic employees) ^a	-	144,237	53,114	5,805	3,895	1,412	499	272	202	34	37
Medium and large companies (number of domestic employees)											
500-999	-	105,070	73,295	4,829	3,840	676	313	164	142	D	D
1,000-4,999	-	929,759	615,760	39,216	27,243	8,729	3,244	2,357	1,627	326	404
5,000-9,999	-	922,629	633,891	26,178	19,100	4,776	2,302	6,388	4,006	D	D
10,000-24,999	-	1,821,306	1,335,992	47,114	32,347	7,419	7,348	4,480	3,346	234	901
25,000 or more	-	4,663,971	3,042,772	116,624	75,997	24,899	15,727	33,267	25,420	491	7,356

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies.

BRDIS = Business R&D and Innovation Survey; MNC = multinational company; NAICS = 2007 North American Industry Classification System; USDIA = U.S. Direct Investment Abroad.

^a The upper bound is based on the U.S. Small Business Administration's definition of a small business; BRDIS does not include companies with fewer than five domestic employees.

NOTES: Data from BRDIS (cosponsored by the National Science Foundation and the U.S. Census Bureau) matched to data from the USDIA survey (conducted by the Bureau of Economic Analysis). BRDIS data in this table are for matched companies, where BRDIS-reported worldwide R&D expense plus worldwide R&D costs funded by others is greater than zero. Data are not weighted. Detail may not add to total because of rounding. The industry classification is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the classification used for sampling was assigned.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, U.S. Bureau of Economic Analysis, and U.S. Census Bureau, R&D Data Link Project, 2008-10.