

TABLE 16. 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 2009  
(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	7,771,183	5,294,955	234,070	162,968	43,934	27,168	48,632	35,367	2,968	10,297
Manufacturing industries	31-33	5,153,147	3,287,228	185,385	125,890	35,420	24,075	41,165	30,619	946	9,600
Food	311	553,928	384,581	3,801	2,798	764	239	46	37	6	3
Beverage and tobacco products	312	147,767	58,944	777	D	D	D	D	D	0	0
Textile, apparel, and leather	313-16	27,229	21,915	304	236	62	6	*	*	D	D
Wood products	321	14,786	D	127	120	1	6	9	9	0	1
Printing and related support activities	323	29,943	25,248	45	42	D	D	*	*	0	0
Chemicals	325	958,007	619,430	64,520	40,986	8,409	15,126	3,507	2,124	326	1,057
Basic chemicals	3251	193,525	127,173	2,017	D	651	D	70	D	D	D
Resin, synthetic rubber, fibers, and filament	3252	130,102	110,367	946	D	236	D	D	D	0	1
Pharmaceuticals and medicines	3254	397,769	262,459	55,135	34,779	6,016	14,340	3,337	1,986	313	1,038
Other chemicals	other 325	236,610	119,430	6,422	D	1,505	D	D	D	D	D
Plastics and rubber products	326	132,568	77,669	2,221	D	525	D	D	D	D	0
Nonmetallic mineral products	327	29,288	24,029	809	710	30	69	2	1	D	D
Primary metals	331	97,857	77,403	589	420	110	58	15	11	D	D
Fabricated metal products	332	53,660	38,647	515	D	63	D	D	D	D	*
Machinery	333	293,369	154,650	9,034	6,776	1,766	492	178	137	17	24
Computer and electronic products	334	726,842	426,782	51,972	39,021	10,963	1,988	6,341	5,898	214	229
Communications equipment	3342	92,344	55,178	11,766	D	2,434	D	1,266	D	D	D
Semiconductor and other electronic components	3344	150,923	88,862	22,021	16,371	5,202	449	272	202	D	D
Navigational, measuring, electromedical, and control instruments	3345	208,518	143,263	9,827	7,571	1,822	434	4,630	4,409	61	161
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	275,057	139,480	8,358	D	1,506	D	172	D	D	D
Electrical equipment, appliances, and components	335	120,092	74,159	2,981	D	955	D	74	D	D	D
Transportation equipment	336	1,017,104	699,970	31,561	21,504	7,343	2,714	30,677	22,061	359	8,258
Automobiles, bodies, trailers, and parts	3361-63	576,776	371,016	17,287	D	5,771	D	D	D	D	40
Aerospace products and parts	3364	388,088	291,033	13,491	11,108	D	D	28,367	20,395	D	D
Other transportation	other 336	52,240	37,921	782	D	D	D	D	D	0	D
Furniture and related products	337	16,467	13,635	129	111	18	*	0	0	0	0
Miscellaneous manufacturing	339	352,636	277,741	13,060	6,782	3,737	2,541	131	119	6	6
Medical equipment and supplies manufacturing	3391	303,016	247,435	11,690	D	3,550	D	D	D	6	6
Other miscellaneous manufacturing	3399	49,620	30,305	1,371	D	187	D	D	D	0	0
Other manufacturing	322, 324	581,605	D	2,940	D	D	D	D	D	D	D
Nonmanufacturing industries	21-23, 42-81	2,618,037	2,007,727	48,686	37,078	8,514	3,094	7,468	4,749	2,022	697
Mining, extraction, and support activities	21	431,685	252,941	1,756	D	178	D	D	D	D	7
Wholesale trade	42	41,788	37,074	341	332	3	6	27	26	0	*
Information	51	787,457	608,451	35,057	D	6,163	D	383	D	D	5
Publishing	511	366,662	234,497	27,735	D	5,444	D	349	D	D	5
Telecommunications	517	283,432	280,415	1,786	D	D	D	D	D	D	0
Internet service providers, Web search portals, and data processing services	518	31,195	21,465	1,271	D	175	D	D	D	0	0

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					Domestic	Foreign	Foreign		Worldwide	Domestic	Foreign	
Other information	other 51	106,168	72,073	4,265	D	D	12	0	0	0	0	
Professional, scientific, and technical services	54	370,002	260,185	8,234	5,716	1,577	942	6,775	4,106	1,986	683	
Architectural, engineering, and related services	5413	60,809	36,001	D	D	D	1	D	D	*	D	
Computer systems design and related services	5415	186,971	127,740	4,882	D	1,227	D	664	D	D	D	
Scientific research and development services	5417	62,226	55,447	2,177	1,263	182	733	5,257	2,824	D	D	
Other professional, scientific, and technical services	other 54	59,995	40,997	D	D	D	D	D	D	D	D	
Other nonmanufacturing	22-23, 44-49, 52-53, 55-81	987,106	849,077	3,298	D	594	D	D	D	1	2	
All companies	21-23, 31-33, 42-81	7,771,183	5,294,955	234,070	162,968	43,934	27,168	48,632	35,367	2,968	10,297	
Small companies (5-499 domestic employees) <sup>a</sup>	-	131,516	49,241	6,001	4,225	1,216	560	374	301	26	47	
Medium and large companies (number of domestic employees)												
500-999	-	93,896	63,697	5,106	3,737	973	396	220	150	D	D	
1,000-4,999	-	866,280	582,728	39,056	27,253	8,408	3,394	1,859	1,299	474	86	
5,000-9,999	-	699,521	474,496	21,940	16,363	3,429	2,148	5,663	3,422	D	D	
10,000-24,999	-	1,937,769	1,418,434	60,957	40,474	9,586	10,897	8,243	6,227	D	D	
25,000 or more	-	4,042,201	2,706,360	101,011	70,916	20,323	9,773	32,274	23,969	D	D	

\* = 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.

<sup>a</sup> 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) are 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.