

TABLE 1. 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 2008
(Millions of U.S. dollars)

Industry and company size	Sales			R&D paid for by company				R&D paid for by others			
	NAICS code	Worldwide	Originating from domestic operations	Performed by company			Paid to others	Performed by company			Paid to others
				Worldwide	Domestic	Foreign		Worldwide	Domestic	Foreign	
All industries	21-23, 31-33, 42-81	8,110,706	5,352,927	230,533	157,782	48,968	23,783	47,212	35,684	3,593	7,936
Manufacturing industries	31-33	5,524,746	3,391,509	184,632	123,720	40,286	20,626	39,887	31,885	1,049	6,953
Food	311	433,268	297,870	1,862	1,312	448	102	3	2	*	1
Beverage and tobacco products	312	164,248	106,790	969	D	119	D	D	D	0	0
Textile, apparel, and leather	313-16	131,405	113,891	385	278	96	11	1	*	0	1
Wood products	321	28,379	25,387	195	185	3	8	3	3	0	1
Printing and related support activities	323	D	D	D	D	7	*	0	0	0	0
Chemicals	325	1,123,553	684,503	66,889	41,495	12,261	13,132	2,640	1,487	332	821
Basic chemicals	3251	265,519	147,813	4,277	3,254	915	107	36	32	1	3
Resin, synthetic rubber, fibers, and filament	3252	200,018	159,573	783	D	197	D	D	D	0	D
Pharmaceuticals and medicines	3254	417,988	253,372	55,335	33,319	9,594	12,422	2,513	1,381	330	801
Other chemicals	other 325	240,028	123,746	6,494	D	1,555	D	D	D	1	D
Plastics and rubber products	326	118,203	91,371	1,265	983	233	49	27	25	0	2
Nonmetallic mineral products	327	44,888	33,265	1,236	1,130	86	20	*	*	*	*
Primary metals	331	131,372	98,736	564	453	104	7	12	10	0	1
Fabricated metal products	332	66,291	42,620	675	498	150	26	8	5	D	D
Machinery	333	355,305	197,515	9,048	7,045	1,676	327	68	21	D	D
Computer and electronic products	334	777,853	445,263	56,431	41,340	13,443	1,648	5,645	5,125	284	236
Communications equipment	3342	116,117	75,246	11,721	D	2,596	D	1,219	D	D	4
Semiconductor and other electronic components	3344	157,855	88,338	22,968	16,602	5,780	586	365	214	D	D
Navigational, measuring, electromedical, and control instruments	3345	218,191	153,824	10,400	8,092	1,907	401	3,904	3,622	96	185
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	285,689	127,855	11,342	D	3,161	D	157	D	D	D
Electrical equipment, appliances, and components	335	97,394	62,059	2,442	1,555	815	73	16	15	*	1
Transportation equipment	336	1,077,884	681,192	34,673	20,598	9,604	4,470	31,299	25,064	423	5,812
Automobiles, bodies, trailers, and parts	3361-63	623,190	347,321	22,739	11,020	8,162	3,556	634	434	131	69
Aerospace products and parts	3364	445,458	325,481	11,683	9,360	D	D	30,664	24,630	292	5,743
Other transportation	other 336	9,236	8,390	252	218	D	D	0	0	0	0
Furniture and related products	337	13,706	11,232	160	136	16	8	0	0	0	0
Miscellaneous manufacturing	339	130,580	79,343	5,059	3,854	846	359	5	5	*	0
Medical equipment and supplies manufacturing	3391	61,433	40,554	3,571	2,677	556	339	1	1	0	0
Other miscellaneous manufacturing	3399	69,147	38,789	1,488	1,177	291	20	4	4	*	0
Other manufacturing	322, 324	D	D	D	D	378	D	D	D	0	38
Nonmanufacturing industries	21-23, 42-81	2,585,961	1,961,418	45,901	34,062	8,682	3,158	7,325	3,798	2,543	983
Mining, extraction, and support activities	21	639,800	387,787	1,609	887	194	528	26	17	D	D
Wholesale trade	42	142,274	131,224	1,086	1,019	55	12	9	5	4	*
Information	51	743,594	561,184	34,513	26,214	6,367	1,933	234	191	D	D
Publishing	511	276,677	142,028	26,965	D	5,367	D	233	D	D	D
Telecommunications	517	311,820	306,896	1,678	D	29	D	1	D	0	D

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				Worldwide	Domestic	Foreign		Worldwide	Domestic	Foreign	
Internet service providers, Web search portals, and data processing services	518	D	D	5,256	4,216	D	D	*	*	0	0
Other information	other 51	D	D	613	D	D	57	0	0	0	0
Professional, scientific, and technical services	54	316,695	257,243	6,527	4,248	1,819	460	7,041	3,576	2,512	953
Architectural, engineering, and related services	5413	37,588	22,279	319	D	D	D	560	D	D	D
Computer systems design and related services	5415	164,270	132,352	3,257	D	1,201	D	217	D	D	0
Scientific research and development services	5417	78,856	72,418	2,241	1,457	407	376	5,397	2,426	2,433	538
Other professional, scientific, and technical services	other 54	35,981	30,194	710	D	D	D	867	D	D	D
Other nonmanufacturing	22-23, 44-49, 52-53, 55-81	743,599	623,980	2,166	1,694	247	225	15	10	D	D
All companies	21-23, 31-33, 42-81	8,110,706	5,352,927	230,533	157,782	48,968	23,783	47,212	35,684	3,593	7,936
Small companies (5-499 domestic employees) ^a	-	52,154	38,073	3,425	2,239	761	425	165	141	13	11
Medium and large companies (number of domestic employees)											
500-999	-	74,822	48,582	3,968	2,932	842	194	124	89	25	10
1,000-4,999	-	790,948	507,418	37,708	25,624	8,787	3,297	2,007	1,298	548	161
5,000-9,999	-	784,318	529,688	23,162	17,149	4,279	1,735	5,552	2,921	D	D
10,000-24,999	-	1,948,164	1,369,327	55,547	38,056	10,368	7,123	5,524	4,160	D	D
25,000 or more	-	4,460,300	2,859,839	106,722	71,783	23,931	11,009	33,841	27,075	506	6,259

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

BRDIS = Business R&D and Innovation Survey; MNC = multinational company; NAICS = 2002 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) 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.