

TABLE 17. Domestic R&D performed by parent companies of U.S. MNCs, by character of work, industry, and company size: BRDIS 2009
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Character of work		
			Basic research	Applied research	Development
All industries	21-23, 31-33, 42-81	198,335	10,374	23,593	164,368
Manufacturing industries	31-33	156,509	8,546	19,060	128,902
Food	311	2,834	185	1,135	1,514
Beverage and tobacco products	312	394	28	48	317
Textile, apparel, and leather	313-16	236	19	32	185
Wood products	321	128	2	27	100
Printing and related support activities	323	42	2	9	32
Chemicals	325	43,110	3,983	6,941	32,186
Basic chemicals	3251	1,358	82	202	1,074
Resin, synthetic rubber, fibers, and filament	3252	669	73	200	397
Pharmaceuticals and medicines	3254	36,765	3,649	5,657	27,459
Other chemicals	other 325	4,317	178	882	3,257
Plastics and rubber products	326	1,553	139	434	980
Nonmetallic mineral products	327	712	89	69	553
Primary metals	331	432	20	87	325
Fabricated metal products	332	445	12	50	382
Machinery	333	6,913	268	826	5,819
Computer and electronic products	334	44,919	2,535	4,176	38,208
Communications equipment	3342	9,914	D	D	8,324
Semiconductor and other electronic components	3344	16,573	259	1,788	14,526
Navigational, measuring, electromedical, and control instruments	3345	11,979	641	1,485	9,853
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	6,452	D	D	5,504
Electrical equipment, appliances, and components	335	1,981	54	392	1,536
Transportation equipment	336	43,564	811	3,293	39,460
Automobiles, bodies, trailers, and parts	3361-63	10,142	467	833	8,841
Aerospace products and parts	3364	31,504	311	2,253	28,939
Other transportation	other 336	1,919	33	207	1,679
Furniture and related products	337	111	3	20	88
Miscellaneous manufacturing	339	6,901	255	978	5,669
Medical equipment and supplies manufacturing	3391	5,710	227	838	4,645
Other miscellaneous manufacturing	3399	1,191	28	140	1,023
Other manufacturing	322, 324	2,234	142	543	1,548
Nonmanufacturing industries	21-23, 42-81	41,827	1,828	4,533	35,466
Mining, extraction, and support activities	21	1,685	72	519	1,094
Wholesale trade	42	359	24	53	282
Information	51	27,399	1,224	1,728	24,446
Publishing	511	21,609	1,121	1,297	19,192
Telecommunications	517	995	29	252	713
Internet service providers, Web search portals, and data processing services	518	D	D	39	980
Other information	other 51	D	D	140	3,561
Professional, scientific, and technical services	54	9,821	461	2,060	7,300
Architectural, engineering, and related services	5413	672	6	28	638
Computer systems design and related services	5415	4,158	95	661	3,402
Scientific research and development services	5417	4,086	343	1,354	2,389
Other professional, scientific, and technical services	other 54	905	17	17	870
Other nonmanufacturing	22-23, 44-49, 52-53, 55-81	2,564	46	174	2,344
All companies	21-23, 31-33, 42-81	198,335	10,374	23,593	164,368
Small companies (5-499 domestic employees) ^a	-	4,526	180	635	3,711
Medium and large companies (number of domestic employees)					
500-999	-	3,886	237	529	3,120
1,000-4,999	-	28,552	1,127	3,417	24,008

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5,000–9,999	–	19,785	970	3,151	15,664
10,000–24,999	–	46,701	4,123	6,330	36,248
25,000 or more	–	94,885	3,736	9,532	81,617

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) 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.