

TABLE 2. Domestic R&D performed by parent companies of U.S. MNCs, by character of work, industry, and company size: BRDIS 2008  
(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	193,465	7,322	30,597	155,547
Manufacturing industries	31–33	155,605	5,889	25,819	123,897
Food	311	1,313	51	186	1,077
Beverage and tobacco products	312	704	48	259	397
Textile, apparel, and leather	313–16	278	30	83	165
Wood products	321	187	8	50	129
Printing and related support activities	323	D	*	7	D
Chemicals	325	42,983	2,880	9,980	30,123
Basic chemicals	3251	3,286	260	1,391	1,636
Resin, synthetic rubber, fibers, and filament	3252	593	70	131	392
Pharmaceuticals and medicines	3254	34,700	2,370	7,821	24,510
Other chemicals	other 325	4,403	180	637	3,586
Plastics and rubber products	326	1,008	57	201	749
Nonmetallic mineral products	327	1,130	15	173	942
Primary metals	331	463	26	77	360
Fabricated metal products	332	503	16	52	435
Machinery	333	7,066	155	793	6,118
Computer and electronic products	334	46,465	1,219	6,458	38,787
Communications equipment	3342	9,847	165	809	8,873
Semiconductor and other electronic components	3344	16,817	148	2,033	14,635
Navigational, measuring, electromedical, and control instruments	3345	11,714	497	1,809	9,408
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	8,087	409	1,807	5,871
Electrical equipment, appliances, and components	335	1,569	53	259	1,257
Transportation equipment	336	45,662	1,043	6,164	38,455
Automobiles, bodies, trailers, and parts	3361–63	11,454	345	1,350	9,758
Aerospace products and parts	3364	33,990	692	4,800	28,498
Other transportation	other 336	218	5	14	199
Furniture and related products	337	136	4	14	118
Miscellaneous manufacturing	339	3,859	85	409	3,365
Medical equipment and supplies manufacturing	3391	2,678	69	348	2,261
Other miscellaneous manufacturing	3399	1,181	16	61	1,104
Other manufacturing	322, 324	D	196	654	D
Nonmanufacturing industries	21–23, 42–81	37,860	1,433	4,778	31,650
Mining, extraction, and support activities	21	904	60	271	573
Wholesale trade	42	1,024	56	147	822
Information	51	26,404	1,163	2,377	22,864
Publishing	511	20,567	805	1,593	18,169
Telecommunications	517	D	229	D	828
Internet service providers, Web search portals, and data processing services	518	4,216	119	699	3,398
Other information	other 51	D	10	D	469
Professional, scientific, and technical services	54	7,824	102	1,806	5,915
Architectural, engineering, and related services	5413	588	6	43	539
Computer systems design and related services	5415	2,142	18	152	1,973
Scientific research and development services	5417	3,883	77	1,504	2,302
Other professional, scientific, and technical services	other 54	1,210	2	107	1,101
Other nonmanufacturing	22–23, 44–49, 52–53, 55–81	1,704	52	177	1,475
All companies	21–23, 31–33, 42–81	193,465	7,322	30,597	155,547
Small companies (5–499 domestic employees) <sup>a</sup>	–	2,381	94	330	1,957
Medium and large companies (number of domestic employees)					
500–999	–	3,021	141	538	2,342
1,000–4,999	–	26,922	917	3,284	22,721

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5,000–9,999	–	20,069	625	4,699	14,745
10,000–24,999	–	42,215	1,756	8,449	32,010
25,000 or more	–	98,858	3,788	13,298	81,772

\* = 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.

<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.