

TABLE 8. Domestic R&D performed by majority-owned U.S. affiliates of foreign 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	35,054	1,638	8,335	25,081
Manufacturing industries	31-33	29,178	1,351	7,020	20,807
Food	311	193	5	56	132
Beverage and tobacco products	312	51	1	7	43
Textile, apparel, and leather	313-16	21	3	3	15
Wood products	321	3	*	*	3
Printing and related support activities	323	2	0	0	2
Chemicals	325	14,348	483	4,021	9,844
Basic chemicals	3251	713	31	232	451
Resin, synthetic rubber, fibers, and filament	3252	58	2	17	39
Pharmaceuticals and medicines	3254	12,735	377	3,699	8,659
Other chemicals	other 325	841	73	73	695
Plastics and rubber products	326	434	34	44	356
Nonmetallic mineral products	327	179	11	26	142
Primary metals	331	160	11	15	135
Fabricated metal products	332	268	13	30	225
Machinery	333	1,295	22	165	1,108
Computer and electronic products	334	8,458	592	2,076	5,790
Communications equipment	3342	2,786	D	D	2,166
Semiconductor and other electronic components	3344	562	3	54	505
Navigational, measuring, electromedical, and control instruments	3345	3,765	304	691	2,770
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	1,345	D	D	349
Electrical equipment, appliances, and components	335	681	30	92	559
Transportation equipment	336	1,642	67	222	1,353
Automobiles, bodies, trailers, and parts	3361-63	1,313	55	167	1,091
Aerospace products and parts	3364	322	12	54	255
Other transportation	other 336	7	*	*	7
Furniture and related products	337	38	1	*	37
Miscellaneous manufacturing	339	851	38	102	710
Medical equipment and supplies manufacturing	3391	641	35	81	525
Other miscellaneous manufacturing	3399	210	3	21	186
Other manufacturing	322, 324	554	41	162	351
Nonmanufacturing industries	21-23, 42-81	5,877	287	1,315	4,274
Mining, extraction, and support activities	21	413	17	48	348
Wholesale trade	42	637	50	61	526
Information	51	1,071	34	65	971
Publishing	511	994	29	63	903
Telecommunications	517	D	D	3	D
Internet service providers, Web search portals, and data processing services	518	D	D	0	D
Other information	other 51	D	1	*	D
Professional, scientific, and technical services	54	3,522	180	1,109	2,234
Architectural, engineering, and related services	5413	362	20	115	226
Computer systems design and related services	5415	808	2	88	718
Scientific research and development services	5417	2,122	154	889	1,079
Other professional, scientific, and technical services	other 54	230	3	17	211
Other nonmanufacturing	22-23, 44-49, 52-53, 55-81	233	6	33	195
All companies	21-23, 31-33, 42-81	35,054	1,638	8,335	25,081
Small companies (5-499 domestic employees) <sup>a</sup>	-	1,991	146	356	1,489
Medium and large companies (number of domestic employees)					
500-999	-	2,267	151	440	1,676
1,000-4,999	-	7,826	486	1,733	5,607

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			Basic research	Applied research	Development
5,000–9,999	–	4,304	245	1,351	2,707
10,000–24,999	–	14,980	341	3,901	10,738
25,000 or more	–	3,686	269	553	2,864

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

BRDIS = Business R&D and Innovation Survey; FDIUS = Foreign Direct Investment in the United States; MNC = multinational company; NAICS = 2002 North American Industry Classification System.

<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 FDIUS 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.