

TABLE 38. Domestic R&D performed by majority-owned U.S. affiliates of foreign MNCs, by character of work, industry, and company size: BRDIS 2010 (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	39,700	2,020	7,010	30,670
Manufacturing industries	31-33	33,019	1,672	5,510	25,837
Food	311	320	6	84	230
Beverage and tobacco products	312	31	2	2	27
Textile, apparel, and leather	313-16	81	7	17	58
Wood products	321	12	0	0	12
Printing and related support activities	323	D	D	D	D
Chemicals	325	16,134	816	3,285	12,033
Basic chemicals	3251	561	77	91	393
Resin, synthetic rubber, fibers, and filament	3252	169	12	64	93
Pharmaceuticals and medicines	3254	14,414	686	2,934	10,793
Other chemicals	other 325	989	41	195	754
Plastics and rubber products	326	397	148	77	172
Nonmetallic mineral products	327	174	8	38	128
Primary metals	331	109	3	13	93
Fabricated metal products	332	149	6	15	127
Machinery	333	1,076	24	95	957
Computer and electronic products	334	9,568	351	1,044	8,173
Communications equipment	3342	3,138	105	224	2,809
Semiconductor and other electronic components	3344	963	55	114	794
Navigational, measuring, electromedical, and control instruments	3345	4,087	154	559	3,374
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	1,380	37	148	1,196
Electrical equipment, appliances, and components	335	643	57	68	518
Transportation equipment	336	2,742	106	502	2,135
Automobiles, bodies, trailers, and parts	3361-63	1,842	84	311	1,447
Aerospace products and parts	3364	877	21	189	667
Other transportation	other 336	23	*	2	20
Furniture and related products	337	D	D	1	D
Miscellaneous manufacturing	339	1,152	66	168	918
Medical equipment and supplies manufacturing	3391	985	57	139	788
Other miscellaneous manufacturing	3399	167	8	29	129
Other manufacturing	322, 324	375	D	D	D
Nonmanufacturing industries	21-23, 42-81	6,681	348	1,499	4,833
Mining, extraction, and support activities	21	1,215	D	D	999
Wholesale trade	42	364	16	35	314
Information	51	1,969	91	212	1,667
Publishing	511	1,856	63	202	1,592
Telecommunications	517	64	D	D	42
Data processing, hosting, and related services	518	D	D	0	D
Other information	other 51	D	D	D	D
Professional, scientific, and technical services	54	2,949	140	1,094	1,716
Architectural, engineering, and related services	5413	409	12	66	331
Computer systems design and related services	5415	343	10	30	303
Scientific research and development services	5417	1,907	112	982	813
Other professional, scientific, and technical services	other 54	290	6	16	268
Other nonmanufacturing	22-23, 44-49, 52-53, 55-81	183	D	D	138
All companies	21-23, 31-33, 42-81	39,700	2,020	7,010	30,670
Small companies (5-499 domestic employees) <sup>a</sup>	-	2,428	161	445	1,822
Medium and large companies (number of domestic employees)					
500-999	-	2,427	135	423	1,869
1,000-4,999	-	10,409	505	1,883	8,021

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			Basic research	Applied research	Development
5,000–9,999	–	7,037	350	1,388	5,299
10,000–24,999	–	11,267	629	1,272	9,365
25,000 or more	–	6,133	241	1,600	4,293

\* = 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 = 2007 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.