

TABLE 23. Domestic R&D performed by majority-owned U.S. affiliates of foreign 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	35,538	1,698	6,150	27,690
Manufacturing industries	31-33	29,646	1,424	4,612	23,610
Food	311	265	13	67	185
Beverage and tobacco products	312	17	*	D	D
Textile, apparel, and leather	313-16	59	5	D	D
Wood products	321	6	0	0	6
Printing and related support activities	323	*	*	*	*
Chemicals	325	15,466	689	2,570	12,207
Basic chemicals	3251	386	21	106	258
Resin, synthetic rubber, fibers, and filament	3252	458	56	144	258
Pharmaceuticals and medicines	3254	13,902	590	2,186	11,126
Other chemicals	other 325	721	21	134	565
Plastics and rubber products	326	255	7	20	228
Nonmetallic mineral products	327	60	7	7	46
Primary metals	331	97	4	13	80
Fabricated metal products	332	170	8	30	132
Machinery	333	760	17	117	626
Computer and electronic products	334	8,446	501	1,044	6,901
Communications equipment	3342	1,684	77	83	1,524
Semiconductor and other electronic components	3344	794	3	29	762
Navigational, measuring, electromedical, and control instruments	3345	4,324	364	804	3,156
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	1,645	58	127	1,460
Electrical equipment, appliances, and components	335	613	21	101	491
Transportation equipment	336	2,034	89	323	1,621
Automobiles, bodies, trailers, and parts	3361-63	1,695	86	183	1,427
Aerospace products and parts	3364	323	3	139	182
Other transportation	other 336	15	*	1	13
Furniture and related products	337	23	2	2	20
Miscellaneous manufacturing	339	855	45	147	663
Medical equipment and supplies manufacturing	3391	594	35	93	465
Other miscellaneous manufacturing	3399	261	9	53	199
Other manufacturing	322, 324	521	15	D	D
Nonmanufacturing industries	21-23, 42-81	5,891	274	1,537	4,080
Mining, extraction, and support activities	21	D	D	D	D
Wholesale trade	42	546	20	79	448
Information	51	1,487	69	113	1,305
Publishing	511	1,160	28	81	1,051
Telecommunications	517	45	D	D	28
Internet service providers, Web search portals, and data processing services	518	D	D	D	D
Other information	other 51	D	D	D	D
Professional, scientific, and technical services	54	2,986	149	1,268	1,569
Architectural, engineering, and related services	5413	377	6	50	321
Computer systems design and related services	5415	558	2	D	D
Scientific research and development services	5417	1,713	135	883	695
Other professional, scientific, and technical services	other 54	338	6	D	D
Other nonmanufacturing	22-23, 44-49, 52-53, 55-81	D	D	D	D
All companies	21-23, 31-33, 42-81	35,538	1,698	6,150	27,690
Small companies (5-499 domestic employees) ^a	-	2,171	187	435	1,549
Medium and large companies (number of domestic employees)					
500-999	-	1,782	148	295	1,339
1,000-4,999	-	8,283	397	1,619	6,266

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			Basic research	Applied research	Development
5,000–9,999	–	6,292	170	1,264	4,858
10,000–24,999	–	13,582	584	1,927	11,072
25,000 or more	–	3,428	213	609	2,606

* = 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.

^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 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.