

TABLE 32. Domestic R&D performed by matched parent companies, 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	197,163	9,769	29,948	157,446
Manufacturing industries	31–33	154,565	7,142	25,709	121,713
Food	311	2,838	108	1,225	1,505
Beverage and tobacco products	312	627	39	188	401
Textile, apparel, and leather	313–16	232	14	29	189
Wood products	321	109	2	23	83
Printing and related support activities	323	57	3	10	44
Chemicals	325	44,583	3,649	12,228	28,706
Basic chemicals	3251	1,231	163	269	799
Resin, synthetic rubber, fibers, and filament	3252	564	62	122	380
Pharmaceuticals and medicines	3254	37,402	3,178	10,519	23,705
Other chemicals	other 325	5,386	245	1,319	3,822
Plastics and rubber products	326	1,103	195	196	713
Nonmetallic mineral products	327	975	78	133	764
Primary metals	331	424	16	75	332
Fabricated metal products	332	447	13	59	375
Machinery	333	7,279	287	931	6,061
Computer and electronic products	334	47,589	1,092	6,120	40,377
Communications equipment	3342	10,161	101	1,609	8,451
Semiconductor and other electronic components	3344	17,609	395	1,976	15,238
Navigational, measuring, electromedical, and control instruments	3345	12,658	430	1,606	10,621
Computer and peripheral equipment and other computer and electronic products	3341, 3343, 3346	7,161	166	928	6,067
Electrical equipment, appliances, and components	335	1,989	95	305	1,590
Transportation equipment	336	39,182	1,047	3,164	34,971
Automobiles, bodies, trailers, and parts	3361–63	10,359	D	D	8,794
Aerospace products and parts	3364	27,266	517	1,933	24,816
Other transportation	other 336	1,556	D	D	1,362
Furniture and related products	337	118	7	18	94
Miscellaneous manufacturing	339	4,827	150	645	4,033
Medical equipment and supplies manufacturing	3391	3,752	130	529	3,092
Other miscellaneous manufacturing	3399	1,076	19	116	940
Other manufacturing	322, 324	2,185	348	361	1,476
Nonmanufacturing industries	21–23, 42–81	42,599	2,627	4,239	35,733
Mining, extraction, and support activities	21	2,163	124	519	1,519
Wholesale trade	42	211	13	21	177
Information	51	28,334	1,759	1,802	24,773
Publishing	511	21,845	1,531	1,412	18,902
Telecommunications	517	1,350	171	181	998
Data processing, hosting, and related services	518	746	6	33	707
Other information	other 51	4,392	50	176	4,166
Professional, scientific, and technical services	54	9,159	409	1,704	7,046
Architectural, engineering, and related services	5413	682	25	86	572
Computer systems design and related services	5415	3,446	44	256	3,146
Scientific research and development services	5417	3,234	271	1,127	1,837
Other professional, scientific, and technical services	other 54	1,796	69	235	1,492
Other nonmanufacturing	22–23, 44–49, 52–53, 55–81	2,732	322	192	2,217
All companies	21–23, 31–33, 42–81	197,163	9,769	29,948	157,446
Small companies (5–499 domestic employees) ^a	–	4,096	196	555	3,346
Medium and large companies (number of domestic employees)					
500–999	–	3,981	152	558	3,271
1,000–4,999	–	28,870	1,184	3,859	23,826

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5,000–9,999	–	23,106	1,173	3,649	18,284
10,000–24,999	–	35,693	2,390	5,731	27,572
25,000 or more	–	101,417	4,674	15,596	81,147

D = data withheld to avoid disclosing operations of individual companies.

BRDIS = Business R&D and Innovation Survey; 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.