

TABLE 5. Companies with worldwide, domestic, or foreign R&D paid for by the company and others and performed by the company, by source of funds, industry, and company size: 2011

Industry and company size	NAICS code	Worldwide R&D performance			Domestic R&D performance			Foreign R&D performance		
		Total	Paid for by	Paid for by	Total	Paid for by	Paid for by	Total	Paid for by	Paid for by
			company	others		company	others		company	others
All industries	21–23, 31–33, 42–81	52,013	47,918	8,748	51,736	47,662	8,639	2,932	2,703	421
Manufacturing industries	31–33	22,939	22,253	2,603	22,860	22,195	2,545	1,372	1,327	174
Food	311	1,593	1,541	D	1,593	1,541	112	57	57	D
Chemicals	325	D	D	397	2,545	2,488	392	185	177	37
Pharmaceuticals and medicines	3254	639	610	D	639	610	168	82	D	23
Other chemicals	other 325	D	D	D	1,906	1,878	224	104	D	14
Plastics and rubber products	326	1,442	1,416	150	1,442	1,416	147	49	D	4
Nonmetallic mineral products	327	D	D	13	348	D	13	24	24	D
Fabricated metal products	332	D	D	D	2,565	2,422	335	47	D	D
Machinery	333	D	D	203	3,409	D	199	139	136	19
Computer and electronic products	334	D	3,098	629	3,250	3,098	615	347	340	44
Electrical equipment, appliances, and components	335	1,294	1,277	102	1,294	1,277	99	167	D	7
Transportation equipment	336	D	D	D	1,414	1,382	172	92	D	24
Miscellaneous manufacturing	339	2,409	2,301	331	2,366	2,275	308	155	134	30
Other manufacturing	312–316, 321–324, 331, 337	2,653	2,603	D	2,633	2,583	153	110	D	5
Nonmanufacturing industries	21–23, 42–81	29,074	25,665	6,145	28,876	25,467	6,093	1,560	1,376	246
Wholesale trade	42	D	D	D	3,935	3,605	612	46	D	D
Information	51	4,095	4,050	155	4,067	4,022	146	483	479	21
Telecommunications	517	232	D	9	232	D	9	19	19	0
Data processing, hosting, and related services	518	D	D	35	1,004	D	35	139	139	D
Other information	other 51	D	2,813	111	2,832	2,799	102	325	321	D
Professional, scientific, and technical services	54	12,717	10,837	3,807	12,550	10,670	3,800	941	799	180
Architectural, engineering, and related services	5413	D	D	D	2,666	2,150	1,152	267	163	108
Scientific research and development services	5417	2,190	1,540	1,361	2,184	1,534	1,357	94	62	47
Biotechnology research and development	541711	D	D	D	765	671	372	42	34	16
Other scientific research and development	other 5417	D	D	D	1,419	863	985	52	29	31
Other professional, scientific, and technical services	other 54	D	D	D	7,700	6,987	1,290	581	574	25
Other nonmanufacturing	21–23, 44–45, 48–49, 52–53, 55–56, 621–24, 71–72, 81	D	D	D	8,323	7,170	1,536	90	D	D
All companies (number of domestic employees)	–	52,013	47,918	8,748	51,736	47,662	8,639	2,932	2,703	421
Small companies ^a										
5–499	–	49,394	45,371	8,286	49,122	45,120	8,206	2,048	1,835	284
5–99	–	42,021	38,570	6,871	41,762	38,331	6,813	1,452	1,269	232
5–49	–	36,654	33,379	6,253	36,399	33,145	6,198	1,245	1,079	207
5–9	–	12,666	11,517	2,283	12,656	11,510	2,262	244	112	135
10–24	–	14,468	13,133	D	14,248	12,931	2,384	641	619	48
25–49	–	9,519	8,728	D	9,495	8,704	1,552	360	348	24
50–99	–	5,367	5,191	618	5,362	5,186	615	207	190	25
100–249	–	D	D	839	5,001	4,568	820	338	315	31
250–499	–	D	D	576	2,359	2,220	573	258	251	21
Medium and large companies										
500–999	–	D	D	134	864	D	126	174	169	17
1,000–4,999	–	1,266	1,235	185	1,263	1,232	170	399	390	62

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Industry and company size	NAICS code	Worldwide R&D performance			Domestic R&D performance			Foreign R&D performance		
		Total	Paid for by company	Paid for by others	Total	Paid for by company	Paid for by others	Total	Paid for by company	Paid for by others
5,000–9,999	–	239	235	50	239	235	46	155	D	17
10,000–24,999	–	D	D	D	143	138	51	88	D	17
25,000 or more	–	105	D	D	105	D	40	69	D	24

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

NAICS = 2007 North American Industry Classification System.

^a Upper bound based on U.S. Small Business Administration's definition of a small business; Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

NOTES: Statistics are based on companies in the United States that reported to the survey. These statistics do not include an adjustment to the weight to account for unit nonresponse. Detail may not add to total because of rounding. Industry classification based on dominant business code for domestic R&D performance where available. For companies that did not report business codes, classification used for sampling was assigned. Statistics are representative of companies located in the United States that performed or funded R&D.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics and U.S. Census Bureau, Business R&D and Innovation Survey, 2011.