

TABLE 26. Domestic R&D paid for by others and performed by the company, by character of work, industry, and company size: 2012
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Basic research	Applied research	Development
All industries	21–23, 31–33, 42–81	54,970	2,131	11,126 i	41,714 i
Manufacturing industries	31–33	38,218	905	5,579	31,734 i
Food	311	171	1	62	108
Beverage and tobacco products	312	D	D	21	D
Textile, apparel, and leather products	313–16	23	*	*	22
Wood products	321	9	0	*	8
Printing and related support activities	323	3 i	D	1 i	D
Chemicals	325	6,359	365	1,943 i	4,050
Pharmaceuticals and medicines	3254	5,552	291	1,741	3,520
Other chemicals	other 325	807	74 i	202 i	531 i
Plastics and rubber products	326	338 i	57 i	61 i	220 i
Nonmetallic mineral products	327	34	D	16	D
Primary metals	331	55	7	9	39
Fabricated metal products	332	114 i	1 i	7 i	106 i
Machinery	333	960	11	183	766
Computer and electronic products	334	8,391	240	857	7,295
Semiconductor and other electronic components	3344	1,375	32 i	82	1,261
Navigational, measuring, electromedical, and control instruments	3345	5,345	161	681	4,503
Other computer and electronic products	other 334	1,672 i	46 i	94	1,532 i
Electrical equipment, appliances, and components	335	187	4	14	169
Transportation equipment	336	20,961 i	195 i	2,338 i	18,428 i
Aerospace products and parts	3364	17,677 i	38 i	942 i	16,697 i
Other transportation equipment	other 336	3,284	157 i	1,395	1,731
Furniture and related products	337	* i	0	* i	* i
Miscellaneous manufacturing	322, 324, 339	D	D	68	438
Nonmanufacturing industries	21–23, 42–81	16,752	1,226	5,547 i	9,979
Information	51	954	28	427	499
Publishing	511	734	22	381	332
Telecommunications	517	56	* i	* i	56
Data processing, hosting, and related services	518	112	0	22 i	90
Other information	other 51	52 i	6	24 i	21 i
Professional, scientific, and technical services	54	14,143	1,103	4,356 i	8,684
Architectural, engineering, and related services	5413	1,390 i	78 i	77 i	1,235 i
Computer systems design and related services	5415	2,088	54 i	322 i	1,712 i
Scientific research and development services	5417	9,756	919	3,791 i	5,046
Biotechnology research and development	541711	3,017	431	598	1,988
Physical, engineering, and life sciences (except biotechnology) research and development	541712	6,161	447	2,793 i	2,921 i
Social sciences and humanities research and development	541720	578	41 i	400 i	137 i
Other professional, scientific, and technical services	other 54	909	53	166	690
Other nonmanufacturing	21–23, 42–49, 52–53, 55–81	1,656	94	764	797 i
All companies (number of domestic employees)	–	54,970	2,131	11,126 i	41,714 i
Small companies ^a					
5–499	–	10,573 i	754	2,338	7,480 i
5–99	–	6,259 i	437 i	1,495 i	4,327 i
5–49	–	4,365 i	294 i	1,087 i	2,984 i
5–9	–	959 i	50 i	208 i	701 i
10–24	–	1,930 i	139 i	494 i	1,297 i
25–49	–	1,476	105	385	986 i
50–99	–	1,894 i	143	408	1,343 i
100–249	–	2,581	162	501	1,918
250–499	–	1,733	155	342	1,235
Medium and large companies					
500–999	–	1,257	94	436	727
1,000–4,999	–	7,666	318	2,734 i	4,614

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5,000–9,999	–	6,662	385	2,370 i	3,907
10,000–24,999	–	6,373	168 i	506	5,699 i
25,000 or more	–	22,440 i	411 i	2,742	19,287 i

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies; i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

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; the Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

NOTES: 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. 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, 2012.