

TABLE 38. Domestic R&D paid for by the U.S. federal government and performed by the company, by character of work, industry, and company size: 2014
(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	26,554 i	2,044 i	6,445 i	18,065 i
Manufacturing industries	31–33	21,303 i	1,718 i	3,566 i	16,019 i
Food	311	*	*	*	*
Beverages and tobacco products	312	* i	* i	* i	* i
Textiles, apparel, and leather products	313–16	9 i	* i	1 i	7 i
Wood products	321	2 i	* i	* i	2 i
Printing and related support activities	323	* i	* i	* i	* i
Chemicals	325	404	22 i	114	268
Pharmaceuticals and medicines	3254	272	12 i	91	168
Other chemicals	other 325	132 i	10 i	22 i	100
Plastics and rubber products	326	1 i	* i	* i	1 i
Nonmetallic mineral products	327	4	* i	1	2
Primary metals	331	22 i	1 i	3 i	18 i
Fabricated metal products	332	34 i	12 i	11 i	11 i
Machinery	333	78	*	6	71
Computer and electronic products	334	4,456	220 i	637 i	3,599
Semiconductors and other electronic components	3344	41	3 i	2	36
Navigational, measuring, electromedical, and control instruments	3345	3,638	64	471	3,103
Other computer and electronic products	other 334	777 i	153 i	163 i	460 i
Electrical equipment, appliances, and components	335	48 i	* i	5 i	42 i
Transportation equipment	336	16,153 i	1,459 i	2,773 i	11,921 i
Aerospace products and parts	3364	14,826 i	1,430 i	2,404 i	10,991 i
Other transportation equipment	other 336	1,327 i	29 i	369 i	929 i
Furniture and related products	337	3 i	* i	1 i	2 i
Miscellaneous manufacturing	322, 324, 339	90 i	3	13	75 i
Nonmanufacturing industries	21–23, 42–81	5,251	327	2,879	2,045
Information	51	162	10	96	56
Publishing	511	99	2	79	17
Telecommunications	517	9	1	2	6
Data processing, hosting, and related services	518	53	7	14	32 i
Other information	other 51	1 i	* i	1 i	* i
Professional, scientific, and technical services	54	5,016	309	2,776	1,931
Architectural, engineering, and related services	5413	1,298	76	822	399 i
Computer systems design and related services	5415	471 i	13	98	360 i
Scientific R&D services	5417	2,954	207 i	1,729 i	1,018
Biotechnology R&D	541711	114	1	80 i	34 i
Physical, engineering, and life sciences (except biotechnology) R&D	541712	2,270	167	1,261	843
Social sciences and humanities R&D	541720	569	39 i	388 i	142 i

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Other professional, scientific, and technical services	other 54	293	13	127	153
Other nonmanufacturing	21-23, 42-49, 52, 53, 55-81	73	7	8	58
All companies (number of domestic employees)	-	26,554 i	2,044 i	6,445 i	18,065 i
Small companies ^a					
5-499	-	3,399	237	1,031	2,131
5-99	-	1,942 i	120 i	520 i	1,302 i
5-49	-	1,463 i	97 i	410 i	956 i
5-9	-	318 i	20 i	65 i	233 i
10-24	-	617 i	37 i	217 i	363 i
25-49	-	528	41	127	359
50-99	-	480	23 i	110	346
100-249	-	950	92	269	589
250-499	-	507	25	242	240
Medium and large companies					
500-999	-	247	25	96	126
1,000-4,999	-	1,336 i	109 i	756 i	471 i
5,000-9,999	-	992 i	1	57 i	934 i
10,000-24,999	-	3,724	228 i	755 i	2,740
25,000 or more	-	16,858 i	1,445 i	3,750 i	11,662 i

* = amount < \$500,000; i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2012 North American Industry Classification System.

^a 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: 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, and U.S. Census Bureau, Business R&D and Innovation Survey, 2014.