

TABLE 44. Domestic R&D paid for by the U.S. federal government and performed by the company, by character of work, industry, and company size: 2013  
(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	29,362	1,196 i	6,028 i	22,137 i
Manufacturing industries	31–33	22,958	864 i	3,126 i	18,968 i
Food	311	1 i	*	* i	1 i
Beverage and tobacco products	312	* i	* i	* i	* i
Textile, apparel, and leather products	313–16	6 i	*	*	6 i
Wood products	321	1	* i	* i	1
Printing and related support activities	323	3 i	* i	1 i	2 i
Chemicals	325	356	23 i	72 i	261
Pharmaceuticals and medicines	3254	167	1	21	145
Other chemicals	other 325	189 i	22 i	51 i	116 i
Plastics and rubber products	326	11 i	*	* i	10 i
Nonmetallic mineral products	327	4 i	1 i	1 i	2 i
Primary metals	331	11	* i	1	10
Fabricated metal products	332	53 i	* i	3 i	50 i
Machinery	333	128	2	30	96
Computer and electronic products	334	4,866	350 i	745	3,772
Semiconductor and other electronic components	3344	60	5	10 i	45
Navigational, measuring, electromedical, and control instruments	3345	3,912	157	533	3,222
Other computer and electronic products	other 334	894 i	188 i	201 i	505 i
Electrical equipment, appliances, and components	335	129 i	10 i	27 i	92 i
Transportation equipment	336	17,312	470 i	2,234 i	14,608 i
Aerospace products and parts	3364	15,927	407 i	1,822 i	13,697 i
Other transportation equipment	other 336	1,385	62 i	412 i	911
Furniture and related products	337	* i	* i	* i	* i
Miscellaneous manufacturing	322, 324, 339	76	6	13	57 i
Nonmanufacturing industries	21–23, 42–81	6,404	332	2,903	3,169 i
Information	51	203	13 i	124	66 i
Publishing	511	173	6 i	112	56 i
Telecommunications	517	1 i	* i	* i	1 i
Data processing, hosting, and related services	518	29	7	12	9 i
Other information	other 51	* i	* i	* i	* i
Professional, scientific, and technical services	54	6,033	303	2,772	2,958 i
Architectural, engineering, and related services	5413	1,372	44 i	764	563 i
Computer systems design and related services	5415	809 i	11	108	689 i
Scientific research and development services	5417	3,288	230	1,781 i	1,277
Biotechnology research and development	541711	157	D	D	64
Physical, engineering, and life sciences (except biotechnology) research and development	541712	2,454	160	1,324	970
Social sciences and humanities research and development	541720	677	D	D	243 i
Other professional, scientific, and technical services	other 54	565	19	118 i	428 i
Other nonmanufacturing	21–23, 42–49, 52, 53, 55–81	167	15	7	145 i

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Industry and company size	NAICS code	Total	Basic research	Applied research	Development
All companies (number of domestic employees)	–	29,362	1,196 i	6,028 i	22,137 i
Small companies <sup>a</sup>					
5–499	–	4,114	301	994 i	2,818 i
5–99	–	2,337 i	143 i	461 i	1,734 i
5–49	–	1,662 i	115 i	347 i	1,200 i
5–9	–	576 i	27 i	92 i	456 i
10–24	–	615 i	53 i	144 i	418 i
25–49	–	471	35 i	110	325
50–99	–	675 i	28	114	534 i
100–249	–	1,161	107	292	762
250–499	–	615	52	241 i	322
Medium and large companies					
500–999	–	393	32 i	104	257
1,000–4,999	–	1,927	98 i	848 i	981 i
5,000–9,999	–	828	1 i	88 i	739 i
10,000–24,999	–	3,491	250 i	834 i	2,407 i
25,000 or more	–	18,609	514 i	3,161 i	14,935 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.

<sup>a</sup> 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: 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, 2013.