

TABLE 35. Domestic R&D paid for by the U.S. federal government 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	30,621 i	644 i	4,137 i	25,840 i
Manufacturing industries	31–33	24,059 i	237 i	2,155 i	21,668 i
Food	311	12	0	3	9
Beverage and tobacco products	312	D	0	0	D
Textile, apparel, and leather products	313–16	5 i	0	*	5 i
Wood products	321	1	0	0	1
Printing and related support activities	323	* i	* i	* i	* i
Chemicals	325	369 i	12 i	71 i	286 i
Pharmaceuticals and medicines	3254	57	2	13	42
Other chemicals	other 325	312 i	10 i	58 i	244 i
Plastics and rubber products	326	13 i	1 i	2 i	11 i
Nonmetallic mineral products	327	25	D	11	D
Primary metals	331	10	* i	2	8
Fabricated metal products	332	13 i	*	1 i	12 i
Machinery	333	385	3	122	259
Computer and electronic products	334	4,852	114	621	4,117
Semiconductor and other electronic components	3344	88	4	27	58
Navigational, measuring, electromedical, and control instruments	3345	3,922	104	550	3,268
Other computer and electronic products	other 334	841 i	6	44	791 i
Electrical equipment, appliances, and components	335	44 i	1 i	6	37 i
Transportation equipment	336	18,268 i	100 i	1,296 i	16,872 i
Aerospace products and parts	3364	16,895 i	35 i	916 i	15,943 i
Other transportation equipment	other 336	1,373	64 i	380 i	929
Furniture and related products	337	0	0	0	0
Miscellaneous manufacturing	322, 324, 339	D	D	19	39 i
Nonmanufacturing industries	21–23, 42–81	6,562	407	1,983	4,172 i
Information	51	142	2	95	45
Publishing	511	103	2	89	13
Telecommunications	517	* i	0	* i	* i
Data processing, hosting, and related services	518	36	0	5 i	31
Other information	other 51	3 i	* i	1 i	2
Professional, scientific, and technical services	54	5,606	387 i	1,358 i	3,861 i
Architectural, engineering, and related services	5413	889 i	66 i	49 i	774 i
Computer systems design and related services	5415	1,449	49 i	252 i	1,147 i
Scientific research and development services	5417	2,596	242	953 i	1,402
Biotechnology research and development	541711	225	15	102	108
Physical, engineering, and life sciences (except biotechnology) research and development	541712	1,835	189	483	1,164
Social sciences and humanities research and development	541720	536	38 i	368 i	130 i
Other professional, scientific, and technical services	other 54	672	30	104	538
Other nonmanufacturing	21–23, 42–49, 52–53, 55–81	814	19	530	265 i
All companies (number of domestic employees)	–	30,621 i	644 i	4,137 i	25,840 i
Small companies ^a					
5–499	–	4,416 i	314	1,002	3,100 i
5–99	–	2,850 i	138 i	622	2,090 i
5–49	–	2,010 i	101	482 i	1,427 i
5–9	–	548 i	21 i	96 i	431 i
10–24	–	662 i	42	171 i	450 i
25–49	–	800	39	216	546 i
50–99	–	840	37 i	139	663 i
100–249	–	1,137 i	113	194	830 i
250–499	–	430	63	187	180
Medium and large companies					
500–999	–	266	28	76	162
1,000–4,999	–	1,532	54 i	438 i	1,039 i

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5,000–9,999	–	790	4	130 i	656
10,000–24,999	–	3,342	31	144	3,166 i
25,000 or more	–	20,275 i	212 i	2,347	17,716 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.