

TABLE 69. Domestic R&D paid for by the U.S. federal government and performed by the company, by character of work, industry, and company size: 2009
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Character of work		
			Basic research	Applied research	Development
All industries	21–23, 31–33, 42–81	39,573 i	1,340	7,797 i	30,435 i
Manufacturing industries	31–33	28,825 i	388 i	2,284 i	26,152 i
Food	311	D	0	D	D
Beverage and tobacco products	312	*	0	0	*
Textiles, apparel, and leather products	313–316	4	* i	* i	3 i
Wood products	321	0	0	0	0
Printing and related support activities	323	1	0	* i	* i
Chemicals	325	207	7	31	169 i
Pharmaceuticals and medicines	3254	113	1	10	102 i
Other chemicals	other 325	93	6	21	67 i
Plastics and rubber products	326	27	1 i	4	22
Nonmetallic mineral products	327	18 i	5 i	2 i	11 i
Primary metals	331	11	*	1 i	9
Fabricated metal products	332	19	* i	3 i	16 i
Machinery	333	150	23 i	77 i	49
Computer and electronic products	334	5,210 i	265 i	635 i	4,310 i
Semiconductor and other electronic components	3344	83	6	22 i	55 i
Navigational, measuring, electromedical, and control instruments	3345	4,325 i	258 i	609 i	3,457 i
Other computer and electronic products	other 334	801 i	1	3 i	797 i
Electrical equipment, appliances, and components	335	70	2 i	18	51 i
Transportation equipment	336	23,023 i	82 i	1,492 i	21,449 i
Aerospace products and parts	3364	21,524 i	D i	D i	D i
Other transportation equipment	other 336	1,499 i	D i	D i	D i
Furniture and related products	337	0	0	0	0
Miscellaneous manufacturing	322, 324, 339	D	3 i	D	D i
Nonmanufacturing industries	21–23, 42–81	10,749	952	5,513 i	4,283 i
Information	51	194	12 i	32 i	150
Publishing	511	176	12 i	31 i	133
Telecommunications	517	5	0	D	D
Data processing, hosting, and related services	518	12	0	*	12 i
Other information	other 51	1	0	D i	D i
Professional, scientific, and technical services	54	10,461	939	5,471 i	4,054 i
Architectural, engineering, and related services	5413	1,421	36	174 i	1,212 i
Computer systems design and related services	5415	1,240	45	85 i	1,110 i
Scientific R&D services	5417	2,657	763	787	1,108 i
Biotechnology R&D	541711	327	78 i	120 i	129 i
Physical, engineering, and life sciences (except biotechnology) R&D	541712	1,788	174	650	964
Social sciences and humanities R&D	541720	543	510	17	15
Other professional, scientific, and technical services	other 54	5,143	95	4,426 i	625 i
Other nonmanufacturing	21–23, 42–49, 52, 53, 55–81	93	1 i	10 i	79 i
All companies	–	39,573 i	1,340	7,797 i	30,435 i
Small companies (number of domestic employees) ^a					
5–499	–	8,834	371 i	5,143 i	3,320 i
5–99	–	6,467	231 i	3,739 i	2,494 i
5–49	–	2,312	131 i	466 i	1,712 i
5–24	–	1,281	96 i	284 i	898 i
25–49	–	1,032	35 i	182 i	814 i
50–99	–	4,155	100 i	3,273 i	782 i
100–249	–	691	89 i	186 i	415 i
250–499	–	1,677 i	51	1,217 i	411
Medium and large companies (number of domestic employees)					
500–999	–	473	77	159	237
1,000–4,999	–	1,612	512	267	833

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5,000–9,999	–	1,005 i	2 i	36 i	967 i
10,000–24,999	–	5,889 i	237 i	844 i	4,809 i
25,000 or more	–	21,759 i	141 i	1,348 i	20,270 i

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

NAICS = 2007 North American Industry Classification System.

^a Upper bound based on U.S. Small Business Administration's definition of small business; Business R&D and Innovation Survey (BRDIS) 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 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, 2009.