

TABLE 41

## Domestic R&amp;D paid for by the U.S. federal government and performed by the company, by type of R&amp;D, industry, and company size: 2015

(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	26,990	2,038	6,102	18,850
Manufacturing industries	31-33	21,552	1,720	3,283	16,549
Food	311	*	*	*	*
Beverages and tobacco products	312	*	*	*	*
Textiles, apparel, and leather products	313-16	25	*	*	24
Wood products	321	*	*	*	*
Printing and related support activities	323	1	*	*	*
Chemicals	325	410	53	111	246
Pharmaceuticals and medicines	3254	138	4	26	108
Other chemicals	other 325	271	49	85	138
Plastics and rubber products	326	1	0	0	1
Nonmetallic mineral products	327	8	*	1	7
Primary metals	331	14	*	*	13
Fabricated metal products	332	10	*	2	8
Machinery	333	222	5	9	208
Computer and electronic products	334	4,213	176	569	3,468
Semiconductors and other electronic components	3344	45	*	2	42
Navigational, measuring, electromedical, and control instruments	3345	3,365	52	431	2,882
Other computer and electronic products	other 334	804	124	136	544
Electrical equipment, appliances, and components	335	50	1	5	44
Transportation equipment	336	16,515	1,481	2,563	12,471
Aerospace products and parts	3364	15,064	1,160	2,220	11,685
Other transportation equipment	other 336	1,450	321	343	786
Furniture and related products	337	7	*	1	5
Miscellaneous manufacturing	322, 324, 339	76	3	21	52
Nonmanufacturing industries	21-23, 42-81	5,438	318	2,819	2,301
Information	51	51	10	22	19
Publishing	511	22	2	7	13
Telecommunications	517	5	*	2	3
Data processing, hosting, and related services	518	24	8	13	3
Other information	other 51	0	0	0	0
Professional, scientific, and technical services	54	5,323	303	2,789	2,231
Architectural, engineering, and related services	5413	1,550	94	999	456
Computer systems design and related services	5415	605	6	281	318
Scientific research and development services	5417	2,939	187	1,436	1,316
Biotechnology research and development	541711	264	6	98	161
Physical, engineering, and life sciences (except biotechnology) research and development	541712	2,043	131	916	996
Social sciences and humanities research and development	541720	632	50	423	159
Other professional, scientific, and technical services	other 54	229	16	73	141
Other nonmanufacturing	21-23, 42-49, 52, 53, 55-81	64	6	8	50
All companies (number of domestic employees)	-	26,990	2,038	6,102	18,850
Micro companies <sup>a</sup>					
5-9	-	412	18	133	261
Small companies					
10-19	-	317	19	130	168
20-49	-	1,024	39	308	676
Medium companies					
50-99	-	532	36	130	367
100-249	-	1,006	75	304	627

TABLE 41

**Domestic R&D paid for by the U.S. federal government and performed by the company, by type of R&D, industry, and company size: 2015**

(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Basic research	Applied research	Development
Large companies					
250–499	–	723	67	323	333
500–999	–	183	21 i	74	88
1,000–4,999	–	1,644 i	43 i	688 i	913 i
5,000–9,999	–	891	28 i	269 i	595
10,000–24,999	–	4,244	335 i	669 i	3,241
25,000 or more	–	16,013 i	1,358 i	3,073	11,581 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.

<sup>a</sup> Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

**Note(s)**

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(s)**

National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2015.