

TABLE 111. Domestic R&D paid for by others and performed by the company, by character of work, industry, and company size: 2010
(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	57,271	2,918	9,431	44,922 i
Manufacturing industries	31-33	37,133	861	4,188	32,084 i
Food	311	D	D	D	D
Beverage and tobacco products	312	D	D	* i	D
Textiles, apparel, and leather products	313-316	12	*	*	11
Wood products	321	18	0	0	18
Printing and related support activities	323	30	*	*	30
Chemicals	325	4,483	146	535	3,801
Pharmaceuticals and medicines	3254	4,017	D	D	3,501
Other chemicals	other 325	466	D	D	300
Plastics and rubber products	326	312 i	30 i	191 i	91
Nonmetallic mineral products	327	30	20	3	7
Primary metals	331	74	2 i	14 i	58 i
Fabricated metal products	332	239	1	4	235
Machinery	333	571	40	112	419
Computer and electronic products	334	8,652	327	1,617	6,707
Semiconductor and other electronic components	3344	615	8	102	506
Navigational, measuring, electromedical, and control instruments	3345	5,832	D	D	4,173
Other computer and electronic products	other 334	2,205	D	D	2,028 i
Electrical equipment, appliances, and components	335	180	2	38	139
Transportation equipment	336	21,837 i	275	1,546 i	20,015 i
Aerospace products and parts	3364	19,702 i	D	D	18,307 i
Other transportation equipment	other 336	2,135 i	D	D	1,708 i
Furniture and related products	337	3	0	*	3
Miscellaneous manufacturing	322, 324, 339	521	D	D	430 i
Nonmanufacturing industries	21-23, 42-81	20,138	2,058	5,243	12,838
Information	51	768	54	196	518
Publishing	511	595	33	187	375
Telecommunications	517	113	D	D	92
Data processing, hosting, and related services	518	47	1	1	45
Other information	other 51	13	D	D	5
Professional, scientific, and technical services	54	18,252	1,932	4,958	11,363
Architectural, engineering, and related services	5413	2,712	59	223	2,429
Computer systems design and related services	5415	1,634	64	322	1,247
Scientific R&D services	5417	11,968	1,615	3,965	6,387
Biotechnology R&D	541711	3,890	757	1,220	1,914
Physical, engineering, and life sciences (except biotechnology) R&D	541712	7,547	D	D	4,444
Social sciences and humanities R&D	541720	530	D	D	29
Other professional, scientific, and technical services	other 54	1,939	193	447	1,299
Other nonmanufacturing	21-23, 42-49, 52, 53, 55-81	1,118	72	89	958
All companies (number of employees)	-	57,271	2,918	9,431	44,922 i
Small companies (number of employees) ^a					
5-499	-	11,379	837	2,682	7,861
5-99	-	7,078	465	1,844	4,769
5-49	-	4,623	352	1,218	3,054
5-9	-	944	105	278	561
10-24	-	2,002	117	441	1,443
25-49	-	1,678	129	499	1,050
50-99	-	2,455	114	626	1,715
100-249	-	2,431	173	476	1,782
250-499	-	1,870	199	362	1,310
Medium and large companies (number of employees)					
500-999	-	1,477	108	372	997

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1,000–4,999	–	8,760	975	1,699	6,085
5,000–9,999	–	5,523	301	1,554	3,668
10,000–24,999	–	5,147	193	476 i	4,478
25,000 or more	–	24,985 i	504	2,648 i	21,833 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, 2010.