

TABLE 68. Domestic R&D paid for by others 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	57,473	2,578	11,286	43,609 i
Manufacturing industries	31-33	36,920 i	689	3,208 i	33,022 i
Food	311	162	1	34	128 i
Beverage and tobacco products	312	2	0	0	2
Textiles, apparel, and leather products	313-316	8	*	1 i	6
Wood products	321	17	*	*	17
Printing and related support activities	323	1	*	*	1
Chemicals	325	3,452	124	402	2,927
Pharmaceuticals and medicines	3254	3,185	110	306	2,769
Other chemicals	other 325	267	14	95	158
Plastics and rubber products	326	139	13	9 i	116
Nonmetallic mineral products	327	23	5 i	3 i	15 i
Primary metals	331	244	*	2	241 i
Fabricated metal products	332	109	*	11	99 i
Machinery	333	356	26	95 i	236
Computer and electronic products	334	7,571	391	908	6,272
Semiconductor and other electronic components	3344	563	10	44	508
Navigational, measuring, electromedical, and control instruments	3345	4,915	334	634	3,947
Other computer and electronic products	other 334	2,094	48 i	230	1,816
Electrical equipment, appliances, and components	335	228	5	38	186
Transportation equipment	336	24,114 i	100 i	1,636 i	22,378 i
Aerospace products and parts	3364	22,170 i	86 i	1,475 i	20,609 i
Other transportation equipment	other 336	1,944 i	14	161 i	1,768 i
Furniture and related products	337	3	0	* i	3 i
Miscellaneous manufacturing	322, 324, 339	489	24 i	70	395
Nonmanufacturing industries	21-23, 42-81	20,553	1,888	8,078	10,587
Information	51	811	27	127	657
Publishing	511	666	26	125	515
Telecommunications	517	82	*	1	81
Data processing, hosting, and related services	518	60	*	1	59
Other information	other 51	3	0	1	2
Professional, scientific, and technical services	54	18,915	1,824	7,844	9,247
Architectural, engineering, and related services	5413	2,058	41	269	1,748 i
Computer systems design and related services	5415	1,818	52	106	1,660
Scientific R&D services	5417	9,289	1,588	2,794	4,907
Biotechnology R&D	541711	2,798	635	540	1,623
Physical, engineering, and life sciences (except biotechnology) R&D	541712	5,828	335	2,232	3,261
Social sciences and humanities R&D	541720	663	619	21	23
Other professional, scientific, and technical services	other 54	5,751	143 i	4,676	931 i
Other nonmanufacturing	21-23, 42-49, 52, 53, 55-81	827	37 i	107 i	684 i
All companies	-	57,473	2,578	11,286	43,609 i
Small companies (number of domestic employees) ^a					
5-499	-	14,461	805	6,454	7,203
5-99	-	9,342	533 i	4,333	4,476
5-49	-	4,351	350 i	917 i	3,085
5-24	-	2,537	214	546 i	1,777
25-49	-	1,815	135 i	371	1,308
50-99	-	4,991	183	3,417	1,391
100-249	-	2,287	152	578	1,558
250-499	-	2,832	120	1,543 i	1,169
Medium and large companies (number of domestic employees)					
500-999	-	1,542	324	442	776
1,000-4,999	-	5,625	641	724	4,260

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5,000–9,999	–	4,279	250	1,069	2,961
10,000–24,999	–	8,847	248 i	1,145	7,454
25,000 or more	–	22,719 i	309	1,454 i	20,955 i

* = amount < \$500,000; 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.