

TABLE 4

Companies with worldwide, domestic, and foreign R&D paid for by the company and others and performed by the company, by source of funds, industry, and company size: 2016

(Number of companies)

Industry and company size	NAICS code	Worldwide R&D performance			Domestic R&D performance			Foreign R&D performance		
		Total ^a	Paid for by the company	Paid for by others	Total	Paid for by the company	Paid for by others	Total	Paid for by the company	Paid for by others
All industries	21-23, 31-33, 42-81	31,842	30,108	4,820	31,784	29,999	4,790	2,524	2,455	294
Manufacturing industries	31-33	19,527	18,690	2,566	19,522	18,634	2,545	1,477	1,450	179
Food	311	1,185	1,153	123	1,185	1,153	123	76	76	3
Chemicals	325	2,907	2,640	661	2,907	2,640	657	348	342	28
Pharmaceuticals and medicines	3254	1,089	960	365	1,089	960	363	175	171	19
Other chemicals	other 325	1,818	1,680	296	1,818	1,680	294	173	171	9
Plastics and rubber products	326	1,238	1,201	97	1,238	1,201	97	69	66	7
Nonmetallic mineral products	327	417	410	84	416	409	84	14	13	D
Fabricated metal products	332	2,406	2,229	270	2,406	2,229	269	47	47	D
Machinery	333	2,781	2,698	245	2,780	2,648	239	179	178	61
Computer and electronic products	334	3,090	2,980	544	3,090	2,980	540	325	320	30
Electrical equipment, appliances, and components	335	727	719	69	727	719	66	59	59	D
Transportation equipment	336	1,154	1,114	192	1,154	1,114	189	118	111	33
Miscellaneous manufacturing	339	D	1,605	D	D	1,603	D	172	171	8
Other manufacturing	312-16, 321-24, 331, 337	D	1,951	D	D	1,949	D	75	72	4
Nonmanufacturing industries	21-23, 42-81	12,316	11,419	2,255	12,263	11,366	2,246	1,048	1,005	115
Wholesale trade	42	1,654	1,644	30	1,652	1,642	30	67	67	0
Information	51	2,385	2,350	105	2,362	2,327	103	518	516	9
Telecommunications	517	D	121	D	D	121	D	20	20	0
Data processing, hosting, and related services	518	766	745	32	765	744	32	240	239	4
Other information	other 51	D	1,484	D	D	1,462	D	258	257	5
Professional, scientific, and technical services	54	7,205	6,409	2,023	7,181	6,385	2,017	399	359	102
Architectural, engineering, and related services	5413	1,544	1,354	465	1,544	1,354	464	65	56	10
Scientific research and development services	5417	1,940	1,480	982	1,940	1,480	982	84	61	29
Biotechnology research and development	541711	411	315	205	411	315	205	20	12	10
Other scientific research and development	other 5417	1,529	1,165	777	1,529	1,165	777	64	49	19
Other professional, scientific, and technical services	other 54	3,721	3,575	576	3,697	3,551	571	251	242	63
Other nonmanufacturing	21-23, 44-45, 48-49, 52-53, 55-56, 621-24, 71-72, 81	1,072	1,017	96	1,068	1,013	95	63	63	4

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All companies (number of domestic employees)	-	31,842	30,108	4,820	31,784	29,999	4,790	2,524	2,455	294
Micro companies ^b										
5 – 9	-	3,943	3,579	964	3,921	3,507	964	190	181	64
Small companies										
10 – 19	-	6,761	6,395	1,088	6,757	6,390	1,085	186	174	46
20 – 49	-	8,416	7,891	1,240	8,397	7,873	1,239	354	345	16
Medium companies										
50 – 99	-	4,716	4,523	442	4,712	4,519	439	212	207	26
100 – 249	-	4,065	3,912	508	4,062	3,909	505	438	429	18
Large companies										
250 – 499	-	1,624	1,569	187	1,623	1,567	184	263	256	15
500 – 999	-	868	840	101	868	840	100	206	204	12
1,000 – 4,999	-	960	927	155	959	926	144	406	397	44
5,000 – 9,999	-	236	227	45	235	226	42	113	111	15
10,000–24,999	-	153	146	54	153	146	54	90	86	19
25,000 or more	-	100	100	36	98	98	34	66	65	20

D = data withheld to avoid disclosing operations of individual companies.

NAICS = 2012 North American Industry Classification System.

^a Statistics for the number of companies are based only on companies in the United States that reported to the survey. These statistics do not include an adjustment to the weight to account for unit nonresponse. A company having multiple reporting parts for data collection may contribute to the statistics for multiple industries, so the detail may not add to the total for the number of companies.

^b Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

Note(s)

Detail may not add to total because of rounding. 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, 2016.