

TABLE 37

Companies with domestic R&D paid for by others and performed by the company in health or medical, defense, and agricultural application areas, by industry and company size: 2015

(Millions of U.S. dollars)

Industry and company size	NAICS code	Domestic R&D		Health or medical		Defense		Agriculture	
		Companies (number) ^a	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount
All industries	21-23, 31-33, 42-81	11,579	59,144	2,485	17,487	1,858	19,963	462	555
Manufacturing industries	31-33	5,896	40,340	987	8,853	523	17,068	211	326
Food	311	168	194	3	42	0	0	3	19
Chemicals	325	577	9,427	293	8,317	18	53	8	235
Basic chemicals	3251	49	467	7	7	3	4	D	D
Pharmaceuticals and medicines	3254	294	8,432	283	8,310	8	42	D	D
Other chemicals	other 325	234	528	3	*	7	7	D	D
Plastics and rubber products	326	497	152	194	16	D	*	69	5
Nonmetallic mineral products	327	64	20	D	2	4	3	0	0
Fabricated metal products	332	1,224	223	4	2	4	10	3	1
Machinery	333	557	881	D	8	26	96	7	7
Agricultural implements	33311	26	15	0	0	0	0	D	6
Semiconductor machinery	333242	17	297	0	0	0	0	0	0
Engines, turbines, and power transmission equipment	3336	71	154	0	0	D	1	D	*
Other machinery	other 333	444	416	D	8	D	94	D	1
Computer and electronic products	334	846	8,345	289	301	305	3,125	115	54
Semiconductors and other electronic components	3344	287	1,855	91	54	99	49	47	18
Other electronic products	other 334	559	6,490	198	247	206	3,075	68	36
Electrical equipment, appliances, and components	335	200	483	D	*	58	54	0	0
Transportation equipment	336	551	20,050	6	24	51	13,660	4	4
Automobiles, bodies, trailers, and parts	3361-63	325	2,441	3	3	12	12	D	2
Other transportation	other 336	226	17,609	3	22	40	13,647	D	2
Miscellaneous manufacturing	339	564	326	189	139	39	42	0	0
Other manufacturing	312-16, 321-24, 331, 337	649	239	4	2	D	25	3	*
Nonmanufacturing industries	21-23, 42-81	5,684	18,804	1,498	8,633	1,335	2,895	250	229
Mining, extraction, and support activities	21	47	619	0	0	D	D	D	*
Utilities	22	8	34	0	0	0	0	0	0
Wholesale trade	42	1,004	84	D	11	D	3	D	2
Information	51	314	935	70	37	11	19	D	7
Publishing	511	77	747	35	28	8	5	D	4
Telecommunications	517	D	70	0	0	D	4	0	0
Data processing, hosting, and related services	518	87	102	35	9	D	10	10	3
Other information	other 51	D	16	0	0	0	0	0	0
Professional, scientific, and technical services	54	4,004	16,710	1,323	8,513	1,317	2,852	231	220
Architectural, engineering, and related services	5413	1,096	1,881	127	24	309	444	6	2

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		Companies (number) ^a	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount	Companies (number) ^b	Amount
Scientific research and development services	5417	1,383	12,433	1,091	8,386	621	2,023	219	216
Biotechnology research and development	541711	394	4,157	361	3,564	69	261	42	91
Other scientific research and development	other 5417	989	8,276	730	4,822	552	1,762	177	125
Other professional, scientific, and technical services	other 54	1,524	2,397	104	103	387	385	6	1
Health care services	621-23	117	298	99	59	0	0	0	0
Other nonmanufacturing	23, 44-45, 48-49, 52-53, 55-56, 624, 71-72, 81	191	124	D	13	D	D	0	0
All companies (number of domestic employees)	-	11,579	59,144	2,485	17,487	1,858	19,963	462	555
Micro companies ^c									
5-9	-	3,047	1,016	655	414	558	166	101	8
Small companies									
10-19	-	2,863	1,246	632	562	385	194	124	40
20-49	-	2,960	2,316	590	867	539	697	114	42
Medium companies									
50-99	-	1,216	2,706	237	736	172	371	52	35
100-249	-	831	2,566	171	657	77	763	28	22
Large companies									
250-499	-	244	2,185	69	579	37	481	17	24
500-999	-	130	2,023	40	1,144	25	176	D	34
1,000-4,999	-	162	9,830	53	4,633	34	380	13	241
5,000-9,999	-	35	4,178	11	2,555	8	587	D	13
10,000-24,999	-	56	10,878	17	3,901	14	3,426	3	25
25,000 or more	-	36	20,201	10	1,438	9	12,722	3	72

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

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 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. These company count estimates reflect a new imputation process implemented for survey year 2014. This change has affected the comparability of these company count estimates with estimates published for years prior to 2014. 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.

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

Note(s)

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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. Some R&D may be reported in more than one application area. Some R&D is not classified in any application area.

Source(s)

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