

TABLE 34. Companies with domestic R&D paid for by others and performed by the company in selected technology focus areas, by industry and company size: 2014
(Millions of U.S. dollars)

Industry and company size	NAICS codes	Software products and embedded software									
		Domestic R&D		Total		Federally funded		Biotechnology		Nanotechnology	
		Companies ^a (number)	Amount	Companies ^b (number)	Amount	Companies ^b (number)	Amount	Companies ^b (number)	Amount	Companies ^b (number)	Amount
All industries	21–23, 31–33, 42–81	10,005	58,158	3,193 i	10,160 i	488	4,719 i	898 i	5,627	341	1,075
Manufacturing industries	31–33	5,557	40,655	579 i	5,349	128 i	3,480 i	642 i	4,568	174 i	763
Food	311	250	220	9 i	6 i	0	0	12 i	31	0	0
Chemicals	325	877	9,813	12	24	7	3	432 i	4,001	31	47
Basic chemicals	3251	123	295 i	D	*	D	*	74 i	225 i	8 i	2 i
Pharmaceuticals and medicines	3254	545	8,966	D	D	4	3	354 i	3,637	16	35
Other chemicals	other 325	209	551	D	D	D	*	4	139	7	10
Plastics and rubber products	326	377	158 i	0	0	0	0	D	*	D	*
Nonmetallic mineral products	327	113	24	0	0	0	0	0	0	D	*
Fabricated metal products	332	663	130 i	3 i	1 i	D	1 i	0	0	D	*
Machinery	333	788	670	14	66	4	*	D	*	3	27
Agricultural implements	33311	43	39	D	*	0	0	0	0	0	0
Semiconductor machinery	333295	6	120	D	D	0	0	0	0	D	26
Engines, turbines, and power transmission equipment	3336	40	62	3	1	D	*	0	0	0	0
Other machinery	other 333	698	448 i	D	D	D	*	D	*	D	1
Computer and electronic products	334	769	9,195	291 i	3,660	91 i	2,185	138 i	280	123 i	633
Semiconductors and other electronic components	3344	161	2,112	42 i	474	4	6	35 i	157	56 i	595
Other electronic products	other 334	608	7,083	249 i	3,186	87 i	2,179	103 i	124	68 i	38
Electrical equipment, appliances, and components	335	357	187 i	109 i	12 i	3 i	1 i	0	0	D	* i
Transportation equipment	336	301	19,485 i	56 i	1,464 i	15	1,287 i	D	37 i	4	53 i
Automobiles, bodies, trailers, and parts	3361–63	133	2,504	40 i	129 i	3	19 i	0	0	0	0
Other transportation	other 336	168	16,981 i	16	1,336 i	12	1,268 i	D	37 i	4	53 i
Miscellaneous manufacturing	339	563	559	85 i	115 i	D	3	53 i	190 i	3	*
Other manufacturing	312–16, 321–24, 331, 337	498	212	0	0	0	0	D	28 i	D	3
Nonmanufacturing industries	21–23, 42–81	4,449	17,504	2,615 i	4,811 i	359	1,239	256 i	1,059 i	167	312 i
Mining, extraction, and support activities	21	154	882	3	101	D	1 i	D	D	D	D
Utilities	22	9	52	D	2	D	2	D	1	0	0
Wholesale trade	42	332	10 i	D	3	0	0	0	0	0	0
Information	51	554	1,477	167 i	881	21	56	D	5 i	11 i	40
Publishing	511	185	1,270	148 i	779	D	26	0	0	D	33
Telecommunications	517	151	45	D	22	D	*	0	0	D	3
Data processing, hosting, and related services	518	119	103	15	36	8	29	D	5 i	D	4
Other information	other 51	99	59	D	44	0	0	0	0	0	0
Professional, scientific, and technical services	54	3,306	14,914	2,436 i	3,817 i	335	1,180	249 i	1,039 i	150	262 i
Architectural, engineering, and related services	5413	673	1,871	580 i	236 i	55 i	157 i	5	4 i	48	3
Scientific R&D services	5417	822	10,139	311 i	1,810 i	137	735	212 i	1,012 i	95 i	252 i

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Biotechnology R&D	541711	156	2,767	9	99 i	7	2	110 i	317 i	10	13
Other scientific R&D	other 5417	666	7,371	302 i	1,711 i	130	732	102 i	695 i	86 i	239 i
Other professional, scientific, and technical services	other 54	1,812	2,904 i	1,546 i	1,771 i	143	288	32 i	23	8	7 i
Health care services	621-23	62	62 i	0	0	0	0	D	4 i	0	0
Other nonmanufacturing	23, 44-45, 48-49, 52-53, 55-56, 624, 71-72, 81	31	106	4	6	0	0	D	D	D	D
All companies (number of domestic employees)	-	10,005	58,158	3,193 i	10,160 i	488	4,719 i	898 i	5,627	341	1,075
Small companies ^c											
5-499	-	9,599	11,884 i	3,067 i	3,025 i	445	727	836 i	1,718 i	310 i	238
5-99	-	8,604	7,383 i	2,799 i	2,008 i	390	342	734 i	1,028 i	287 i	193
5-49	-	7,223	4,730 i	2,480 i	1,486 i	356	214	582 i	566 i	248 i	130
5-9	-	2,433	868 i	992 i	265 i	95	23 i	161 i	90 i	56 i	15 i
10-24	-	3,139	1,671 i	1,063 i	332 i	119	60	322 i	263 i	101 i	77
25-49	-	1,652	2,191 i	425 i	889 i	142	132	100	213	92	39
50-99	-	1,381	2,652 i	318 i	522	34	128	152 i	461 i	39	63
100-249	-	755	2,486	208 i	541 i	43	228	82	462	14	22 i
250-499	-	240	2,015	60	476	12	157	20	229	10	22 i
Medium and large companies											
500-999	-	131	1,525	34	237 i	4	17 i	13	200	5	10 i
1,000-4,999	-	142	9,744	45	1,237 i	9	360	23	1,334	11	251 i
5,000-9,999	-	43	7,522	12 i	896 i	5 i	79 i	9	1,396	4	447
10,000-24,999	-	51	7,542	21	1,354	12	639 i	12	831 i	5	33 i
25,000 or more	-	39	19,941 i	14	3,412	12	2,898	4	148 i	6	98 i

* = 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. Changes in data collection and imputation processes have affected the comparability of company count estimates in this table with estimates published for previous years. 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 Upper bound is based on the U.S. Small Business Administration's definition of a small business; the Business R&D and Innovation Survey does not include companies with fewer than five domestic employees.

NOTES: 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 technology area. Some R&D is not classified in any technology area.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2014.