

TABLE 24. Companies with domestic R&D paid for and performed by the company in health or medical, defense, and agricultural application areas, by industry and company size: 2014  
(Millions of U.S. dollars)

Industry and company size	NAICS codes	Domestic R&D		Health or medical		Defense		Agriculture	
		Companies <sup>a</sup> (number)	Amount	Companies <sup>b</sup> (number)	Amount	Companies <sup>b</sup> (number)	Amount	Companies <sup>b</sup> (number)	Amount
All industries	21–23, 31–33, 42–81	50,062	282,570	9,317 i	66,672	6,406 i	11,903	4,513 i	5,981 i
Manufacturing industries	31–33	23,510	192,160	5,415 i	61,740	3,611 i	8,982	2,828 i	5,741 i
Food	311	1,403	5,071 i	137 i	244 i	D	1 i	600 i	1,530 i
Chemicals	325	2,585	56,488	1,162 i	46,531	280 i	107	294 i	1,618 i
Basic chemicals	3251	279	2,554	80 i	58	15	14	75 i	206
Pharmaceuticals and medicines	3254	946	47,646	849 i	46,289	15	39	13	261 i
Other chemicals	other 325	1,360	6,288	233 i	184	250 i	54 i	207 i	1,151 i
Plastics and rubber products	326	1,414	3,416	456 i	538	D	14	189 i	690
Nonmetallic mineral products	327	468	1,420 i	67 i	49 i	55 i	38 i	5	3
Fabricated metal products	332	3,100	2,000	707 i	117 i	783 i	145 i	429 i	71 i
Machinery	333	3,664	11,458	252 i	99	438 i	204 i	710 i	1,271
Agricultural implements	33311	210	1,539	0	0	0	0	187 i	1,090
Semiconductor machinery	333295	86	2,821	8	9	5 i	1 i	0	0
Engines, turbines, and power transmission equipment	3336	96	2,285	12 i	26	29 i	40	35 i	32
Other machinery	other 333	3,271	4,813	232 i	64	404 i	162 i	489 i	149 i
Computer and electronic products	334	2,885	64,695	932 i	4,739 i	912 i	3,467	353 i	405 i
Semiconductors and other electronic components	3344	656	30,029	225 i	607 i	302 i	707 i	23	46
Other electronic products	other 334	2,229	34,666	707 i	4,133 i	610 i	2,760	330 i	358 i
Electrical equipment, appliances, and components	335	1,448	4,178	320 i	93 i	540 i	212 i	104 i	43
Transportation equipment	336	1,520	27,261	24	783	228 i	4,451	11	10
Automobiles, bodies, trailers, and parts	3361–63	913	15,900	8 i	398	17	31	6	7
Other transportation	other 336	607	11,361	16	385	211 i	4,421	5	4
Miscellaneous manufacturing	339	2,477	12,230	866 i	8,434	53 i	295	11	25
Other manufacturing	312–16, 321–24, 331, 337	2,550	3,942	493 i	113	304 i	47	120 i	75
Nonmanufacturing industries	21–23, 42–81	26,552	90,409	3,903 i	4,932 i	2,795 i	2,921	1,686 i	240 i
Mining, extraction, and support activities	21	245	3,821	6	6	D	5	4	2 i
Utilities	22	88	258	D	1	0	0	4	1
Wholesale trade	42	2,601	329 i	6	10	0	0	4	3
Information	51	3,991	62,296	401 i	2,006	170 i	1,357	17	26
Publishing	511	1,899	34,869	239 i	1,671	105 i	1,167	D	3
Telecommunications	517	280	3,710	D	18 i	23 i	103 i	D	1
Data processing, hosting, and related services	518	1,244	8,926	153 i	315 i	42	88	9	14
Other information	other 51	569	14,791	D	3 i	0	0	D	8
Professional, scientific, and technical services	54	12,672	16,061 i	3,410 i	2,507 i	2,614 i	1,541 i	1,481 i	194 i
Architectural, engineering, and related services	5413	1,978	1,503 i	816 i	42 i	1,026 i	47 i	795 i	56 i
Scientific R&D services	5417	1,509	2,668	910 i	1,514 i	379 i	345 i	147 i	85 i
Biotechnology R&D	541711	473	692	397 i	503 i	44 i	17 i	86 i	47 i
Other scientific R&D	other 5417	1,036	1,976	513 i	1,011 i	334 i	327 i	61 i	39 i

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Industry and company size	NAICS codes	Domestic R&D		Health or medical		Defense		Agriculture	
		Companies <sup>a</sup> (number)	Amount	Companies <sup>b</sup> (number)	Amount	Companies <sup>b</sup> (number)	Amount	Companies <sup>b</sup> (number)	Amount
Other professional, scientific, and technical services	other 54	9,187	11,890 i	1,685 i	951 i	1,209 i	1,150 i	539 i	53 i
Health care services	621-23	1,115	439 i	67	358 i	0	0	0	0
Other nonmanufacturing	23, 44-45, 48-49, 52-53, 55-56, 624, 71-72, 81	5,840	7,206	D	45	D	17	176 i	14
All companies (number of domestic employees)	-	50,062	282,570	9,317 i	66,672	6,406 i	11,903	4,513 i	5,981 i
Small companies <sup>c</sup>									
5-499	-	47,801	42,889	8,824 i	11,176	6,105 i	2,066 i	4,249 i	1,425
5-99	-	41,845	21,695 i	7,619 i	5,918	5,340 i	1,326 i	3,607 i	955
5-49	-	35,918	14,169 i	6,404 i	3,748	4,533 i	918 i	3,086 i	781
5-9	-	12,279	2,426 i	1,727 i	458 i	1,292 i	224 i	879 i	518
10-24	-	14,629	5,506 i	2,995 i	1,658 i	2,068 i	305 i	1,313 i	124 i
25-49	-	9,010	6,237 i	1,682 i	1,632	1,173 i	389 i	893 i	139 i
50-99	-	5,927	7,526	1,215 i	2,170	807 i	408 i	522 i	174 i
100-249	-	4,523	11,006	891 i	2,823	584 i	438 i	479 i	264
250-499	-	1,433	10,188	315	2,434	181 i	301	163 i	205
Medium and large companies									
500-999	-	883	11,736	179	2,094	114 i	514	98 i	156 i
1,000-4,999	-	899	47,807	211	12,487	112	1,579	112	658
5,000-9,999	-	178	30,680	42	6,852	29	1,385	26	250
10,000-24,999	-	192	46,904	36	18,447	25	2,258	17	2,201 i
25,000 or more	-	108	102,555	27	15,617	21	4,102	11	1,291

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.

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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 application area. Some R&D is not classified in any application area.

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