

TABLE 25. Companies with domestic R&D paid for 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	Domestic R&D		Software products and embedded software		Biotechnology		Nanotechnology	
		Companies ^a	Amount	Companies ^b	Amount	Companies ^b	Amount	Companies ^b	Amount
		(number)		(number)		(number)		(number)	
All industries	21–23, 31–33, 42–81	50,062	282,570	20,187 i	94,826	2,353 i	32,938	1,462 i	16,564 i
Manufacturing industries	31–33	23,510	192,160	6,499 i	25,324	1,608 i	31,466	1,209 i	14,728 i
Food	311	1,403	5,071 i	12	11	107 i	267 i	3	2 i
Chemicals	325	2,585	56,488	70 i	388	844 i	26,466	303 i	321
Basic chemicals	3251	279	2,554	37 i	41	84 i	407	82 i	127
Pharmaceuticals and medicines	3254	946	47,646	24	308	606 i	25,737	19	86
Other chemicals	other 325	1,360	6,288	9	39 i	155 i	323 i	202 i	107
Plastics and rubber products	326	1,414	3,416	192 i	51	80 i	393	169 i	58
Nonmetallic mineral products	327	468	1,420 i	37 i	28 i	D	*	35 i	265 i
Fabricated metal products	332	3,100	2,000	650 i	179 i	4	13	10	20
Machinery	333	3,664	11,458	1,307 i	1,209	41 i	52	61 i	1,884
Agricultural implements	33311	210	1,539	74 i	104	0	0	0	0
Semiconductor machinery	333295	86	2,821	28 i	454	3	5	38 i	1,841
Engines, turbine, and power transmission equipment	3336	96	2,285	44 i	300	0	0	0	0
Other machinery	other 333	3,271	4,813	1,161 i	351 i	38 i	47	23 i	43
Computer and electronic products	334	2,885	64,695	1,984 i	19,843	321 i	3,328	451 i	11,869 i
Semiconductors and other electronic components	3344	656	30,029	228 i	4,932	18	2,276	172 i	11,389 i
Other electronic products	other 334	2,229	34,666	1,755 i	14,912 i	303 i	1,052 i	279 i	480 i
Electrical equipment, appliances, and components	335	1,448	4,178	971 i	563 i	5	5	52 i	41
Transportation equipment	336	1,520	27,261	320 i	1,795	6 i	88	17	58
Automobiles, bodies, trailers, and parts	3361–63	913	15,900	155 i	1,059	D	5 i	8	16
Other transportation	other 336	607	11,361	165 i	736	D	83	9	41
Miscellaneous manufacturing	339	2,477	12,230	472 i	1,149	141 i	754 i	60 i	189
Other manufacturing	312–16, 321–24, 331, 337	2,550	3,942	486 i	107 i	D	100	49 i	20 i
Nonmanufacturing industries	21–23, 42–81	26,552	90,409	13,687 i	69,502	745 i	1,473 i	253 i	1,837
Mining, extraction, and support activities	21	245	3,821	39 i	444	D	D	D	D
Utilities	22	88	258	37 i	83	D	1	3	1
Wholesale trade	42	2,601	329 i	784 i	63 i	0	0	D	3
Information	51	3,991	62,296	3,352 i	54,265	9	195	24 i	1,664
Publishing	511	1,899	34,869	1,682 i	30,608	4	125	D	1,663
Telecommunications	517	280	3,710	196 i	2,648 i	0	0	0	0
Data processing, hosting, and related services	518	1,244	8,926	1,179 i	7,965	5	71	D	*
Other information	other 51	569	14,791	296 i	13,045 i	0	0	0	0
Professional, scientific, and technical services	54	12,672	16,061 i	8,100 i	9,669 i	712 i	1,065 i	215 i	142 i
Architectural, engineering, and related services	5413	1,978	1,503 i	1,171 i	210 i	46 i	30 i	48	4

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		Companies ^a (number)	Amount	Companies ^b (number)	Amount	Companies ^b (number)	Amount	Companies ^b (number)	Amount
Scientific R&D services	5417	1,509	2,668	577 i	430 i	645 i	996 i	155 i	117 i
Biotechnology R&D	541711	473	692	80 i	14 i	382 i	547 i	41 i	26 i
Other scientific R&D	other 5417	1,036	1,976	497 i	415 i	263 i	449 i	114 i	91 i
Other professional, scientific, and technical services	other 54	9,187	11,890 i	6,352 i	9,029 i	21 i	39 i	12	21 i
Health care services	621-23	1,115	439 i	3	15 i	15	194 i	0	0
Other nonmanufacturing	23, 44-45, 48-49, 52-53, 55-56, 624, 71-72, 81	5,840	7,206	1,372 i	4,964	D	D	D	D
All companies (number of domestic employees)	-	50,062	282,570	20,187 i	94,826	2,353 i	32,938	1,462 i	16,564 i
Small companies ^c									
5-499	-	47,801	42,889	19,317 i	14,878 i	2,167 i	6,694	1,294 i	1,195 i
5-99	-	41,845	21,695 i	17,348 i	7,573 i	1,900 i	3,486	1,093 i	600 i
5-49	-	35,918	14,169 i	15,203 i	5,307 i	1,572 i	2,067	871 i	385 i
5-9	-	12,279	2,426 i	4,689 i	653 i	468 i	254 i	212 i	62 i
10-24	-	14,629	5,506 i	6,931 i	2,091 i	712 i	854	366 i	146 i
25-49	-	9,010	6,237 i	3,583 i	2,562 i	392 i	959	293 i	177 i
50-99	-	5,927	7,526	2,145 i	2,266 i	328 i	1,419	222 i	215 i
100-249	-	4,523	11,006	1,505 i	3,833	190 i	1,653	131 i	317 i
250-499	-	1,433	10,188	464	3,473	77	1,555 i	70	278 i
Medium and large companies									
500-999	-	883	11,736	315 i	3,801	48 i	953	49	345 i
1,000-4,999	-	899	47,807	340	15,935	75	7,631 i	69	3,318 i
5,000-9,999	-	178	30,680	87	11,450	23	2,850	18	3,850
10,000-24,999	-	192	46,904	73	7,719	26	11,209	23	3,114 i
25,000 or more	-	108	102,555	55	41,043	14	3,600	11	4,742 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.