

TABLE 34. Companies with domestic R&D paid for and performed by the company in selected technology focus areas, by industry and company size: 2013  
(Millions of U.S. dollars)

Industry and company size	NAICS code	Domestic R&D		Software products and embedded software		Biotechnology		Nanotechnology	
		Companies <sup>a</sup>	Amount	Companies <sup>a</sup>	Amount	Companies <sup>a</sup>	Amount	Companies <sup>a</sup>	Amount
		(number)		(number)		(number)		(number)	
All industries	21-23, 31-33, 42-81	65,139	264,913	31,681	87,245	6,238	27,054	11,358	14,878
Manufacturing industries	31-33	27,655	181,170	15,241	24,956	5,184	25,641	7,360	13,889
Food	311	2,072	4,801	10	10	1,407	270 i	D	*
Chemicals	325	2,898	54,285	1,214	500	1,624	23,498	1,141	252
Basic chemicals	3251	386	2,341	274	42	298	321	D	58
Pharmaceuticals and medicines	3254	906	45,891	421	401	769	22,013	150	109
Other chemicals	other 325	1,605	6,053	519	57	557	1,165 i	D	85
Plastics and rubber products	326	1,553	3,496	15	23	5	287	1,080	56
Nonmetallic mineral products	327	584	1,303 i	322	47 i	D	*	233	26 i
Fabricated metal products	332	3,137	1,934 i	2,509	181 i	3	1	10	20
Machinery	333	3,918	12,092	3,346	1,389	155	116	D	920
Agricultural implement	33311	198	1,561	127	71	D	*	0	0
Semiconductor machinery	333295	162	3,097	154	468	144	106	D	851
Engine, turbine, and power transmission equipment	3336	146	1,336	117	177 i	0	0	75	14 i
Other machinery	other 333	3,412	6,098	2,948	673	D	10	553	54 i
Computer and electronic products	334	3,944	57,364	3,552	19,624	845	427 i	2,134	12,185
Semiconductor and other electronic components	3344	1,305	28,576	1,201	6,954	5	9	1,158	11,888
Other electronic products	other 334	2,640	28,788	2,352	12,670	840	418 i	976	297 i
Electrical equipment, appliances, and components	335	1,143	3,660	1,042	694 i	4	3	783	44 i
Transportation equipment	336	1,948	25,165	1,156	1,156	4	75	D	73
Automobiles, bodies, trailers, and parts	3361, 3362, 3363	1,212	14,081	906	419	D	D	D	7
Other transportation	other 336	736	11,084	250	736	D	D	D	66
Miscellaneous manufacturing	339	2,770	13,147	957	1,237 i	806	852 i	745	287 i
Other manufacturing	312-316, 321-24, 331, 337	3,694	3,923	1,119	96 i	D	111	D	27
Nonmanufacturing industries	21-23, 42-81	37,486	83,742	16,440	62,289	1,053	1,413 i	3,997	989 i
Mining, extraction, and support activities	21	246	3,602	149	330	D	11	7	31 i
Utilities	22	65	243	35	37 i	D	1	34	2
Wholesale trade	42	4,664	510 i	5	6	0	0	0	0
Information	51	3,890	56,039	3,020	47,791	9	49	D	609 i
Publishing	511	2,055	34,637	1,611	29,562	D	D	D	604 i
Telecommunications	517	231	3,037	130	2,133 i	0	0	0	0
Data processing, hosting, and related services	518	1,015	6,333	969	5,327	D	D	D	5
Other information	other 51	589	12,032	310	10,769	D	D	0	0
Professional, scientific, and technical services	54	12,693	15,617 i	10,041	8,993 i	987	1,084	2,676	345 i
Architectural, engineering, and related services	5413	2,074	1,261	1,753	131 i	50	13	1,544	78 i
Scientific research and development services	5417	1,320	2,838	615	203 i	929	1,070 i	823	219 i
Biotechnology research and development	541711	416	1,331	10	9 i	360	902	213	76 i
Other scientific research and development	other 5417	903	1,507	605	194 i	569	168 i	610	142 i

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		Companies <sup>a</sup> (number)	Amount	Companies <sup>a</sup> (number)	Amount	Companies <sup>a</sup> (number)	Amount	Companies <sup>a</sup> (number)	Amount
Other professional, scientific, and technical services	other 54	9,300	11,518 i	7,673	8,659 i	8	1	309	48 i
Health care services	621-23	1,674	430 i	32	19 i	48	262 i	0	0
Other nonmanufacturing	23, 44-45, 48-49, 52-53, 55-56, 624, 71-72, 81	14,253	7,301	3,158	5,113	D	7	D	2 i
All companies (number of domestic employees)	-	65,139	264,913	31,681	87,245	6,238	27,054	11,358	14,878
Small companies <sup>b</sup>									
5-499	-	62,932	42,106	30,641	13,217 i	5,860	6,023	10,986	1,542 i
5-99	-	56,394	20,886 i	27,395	6,147 i	4,975	3,088	9,635	797 i
5-49	-	48,605	13,726 i	23,685	3,912 i	4,097	2,053	7,943	639 i
5-9	-	17,348	2,195 i	9,189	738 i	1,255	249 i	2,586	104 i
10-24	-	19,210	5,290 i	8,639	1,575 i	1,886	890 i	3,319	235 i
25-49	-	12,046	6,241 i	5,856	1,599 i	956	915	2,038	300 i
50-99	-	7,789	7,161	3,710	2,235	878	1,035	1,692	158 i
100-249	-	4,796	10,922	2,446	3,830	604	1,672	1,011	326 i
250-499	-	1,742	10,297	801	3,241	280	1,263	339	419 i
Medium and large companies									
500-999	-	876	10,280	349	3,153	166	824	125	316 i
1,000-4,999	-	907	45,342	443	15,230	124	7,171	146	3,309
5,000-9,999	-	188	25,009	102	10,101	31	572 i	38	3,335
10,000-24,999	-	137	44,275	79	5,749	34	9,567	D	2,453
25,000 or more	-	108	97,901	69	39,795	24	2,896 i	D	3,924 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 = 2007 North American Industry Classification System.

<sup>a</sup> Statistics for 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> Upper bound based on U.S. Small Business Administration's definition of a small business; 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; for number of companies detail may not add to total because of rounding and because some companies requested multiple survey questionnaires to facilitate sub-company reporting (see technical notes and appendix table A-8). Industry classification based on dominant business code for domestic R&D performance where available. For companies that did not report business codes, 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. Changes in data collection and imputation processes have affected the comparability of company count estimates in this table with estimates published for previous years.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2013.