

TABLE 38. Domestic R&D paid for by others and performed by the company, by industry and company size: 2013  
(Millions of U.S. dollars)

Industry	NAICS code	Company size (domestic employees)											
		All companies	5–9 <sup>a</sup>	10–24	25–49	50–99	100–249	250–499	500–999	1,000–4,999	5,000–9,999	10,000–24,999	25,000 or more
All industries	21–23, 31–33, 42–81	57,615	1,207 i	1,605 i	1,700	1,749	2,743	1,892	1,722	10,175	6,505	6,942	21,374 i
Manufacturing industries	31–33	40,306	436	282 i	479 i	690	1,081	882	701	6,833	2,654	6,086	20,182 i
Food	311	227	1 i	6 i	2 i	3 i	57	5	9	115	*	*	29
Beverage and tobacco products	312	100 i	0	0	0	* i	2	95 i	0	* i	4	0	0
Textile, apparel, and leather products	313–16	21 i	1 i	* i	3 i	4 i	7 i	5	*	0	0	0	0
Wood products	321	11	* i	D	* i	* i	* i	0	4	0	0	D	0
Paper	322	13 i	0	* i	1 i	2 i	6	* i	0	2	1	0	0
Printing and related support activities	323	28 i	0	23 i	2 i	1 i	1 i	* i	1 i	0	0	0	0
Petroleum and coal products	324	5	0	0	D	0	D	0	*	0	0	D	*
Chemicals	325	7,379	41	74 i	145	210	291	131	105	3,613	933	1,454	382 i
Basic chemicals	3251	317	1 i	3	4	*	32	0	20	234 i	6	11	5
Resin, synthetic rubber, fibers, and artificial synthetic fibers and filaments	3252	111	0	0	* i	2 i	* i	1	0	103	0	4	*
Pesticide, fertilizer, and other agricultural chemicals	3253	366	1 i	D	* i	* i	0	0	0	D	0	D	0
Pharmaceuticals and medicines	3254	6,534	38	68 i	133	207	256	126	85	2,951	915	1,379	376 i
Soap, cleaning compound, and toilet preparation	3256	11 i	0	* i	D	* i	1	4 i	0	D	0	0	*
Paint, coating, adhesive, and other chemicals	3255, 3259	40	1 i	D	D	* i	2	*	* i	D	12	D	*
Plastics and rubber products	326	154 i	16 i	7 i	25 i	26 i	25	10 i	31	9	1	4	0
Nonmetallic mineral products	327	26 i	5 i	0	2 i	* i	17 i	0	*	1	0	1	0
Primary metals	331	19	0	* i	* i	3 i	* i	2 i	1 i	3	3	0	7
Fabricated metal products	332	278 i	20 i	17 i	47 i	97 i	55 i	11	*	0	31 i	0	0
Machinery	333	558	* i	26 i	63 i	76	66 i	12	51	103	96	62	3
Agricultural implement	33311	36	* i	* i	* i	* i	* i	0	0	5	0	30	0
Semiconductor machinery	333295	97	* i	8	0	7	20	0	9 i	52	0	0	0
Engine, turbine, and power transmission equipment	3336	113	0	6	13	7	5	3	4	0	43	32	0
Other machinery	other 333	312	* i	11 i	50 i	62 i	40 i	9	39	45 i	53	0	3
Computer and electronic products	334	9,841	331	61 i	123 i	128	438	346	253	1,497	1,056	1,688	3,921
Communications equipment	3342	1,964 i	* i	D	18 i	D	114	79 i	12	580 i	0	D	0
Semiconductor and other electronic components	3344	2,224	310	17 i	70 i	84	178 i	157	129	609	D	D	0
Navigational, measuring, electromedical, and control instruments	3345	5,477	D	30 i	35	32	145	110	20	264	D	506	3,921
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	164	*	8 i	1 i	4	73	27 i	19	22	7	3	0



TABLE 38. Domestic R&D paid for by others and performed by the company, by industry and company size: 2013  
(Millions of U.S. dollars)

Industry	NAICS code	Company size (domestic employees)											
		All companies	5-9 <sup>a</sup>	10-24	25-49	50-99	100-249	250-499	500-999	1,000-4,999	5,000-9,999	10,000-24,999	25,000 or more
Other real estate and rental and leasing	other 53	* i	0	0	* i	0	0	* i	0	0	0	0	0
Professional, scientific, and technical services	54	15,400	751 i	1,071 i	1,119	999 i	1,567	934	987	3,205 i	3,549	475	743
Architectural, engineering, and related services	5413	1,872	60 i	180 i	87	154 i	277 i	82	106	114	95	47	670
Computer systems design and related services	5415	1,161 i	193 i	97 i	47 i	221 i	333 i	143	39	36 i	0	0	51
Scientific research and development services	5417	11,363	413 i	578	940	537	882	613	695	3,048 i	3,210	428	19
Biotechnology research and development	541711	3,168 i	118 i	136	92 i	D	D	3	210	D	1,627	0	19
Physical, engineering, and life sciences (except biotechnology) research and development	541712	7,440	228 i	431	809	473	744	610	485	1,648 i	1,584	428	0
Social sciences and humanities research and development	541720	756	68	12	39 i	D	D	0	0	D	0	0	0
Other professional, scientific, and technical services	other 54	1,003	85	215 i	45 i	86	76	97	147	7	244	0	2
Health care services	621-23	96	1 i	8	59	9 i	11 i	8 i	0	1 i	0	0	0
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	D	6 i	16 i	3	6	* i	25	1	D	0	0	0

\* = 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> 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 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.

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