

TABLE 35. Domestic R&D paid for by others and performed by the company, by character of work, industry, and company size: 2013  
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Basic research	Applied research	Development
All industries	21–23, 31–33, 42–81	57,615	4,233	12,908	40,475
Manufacturing industries	31–33	40,306	3,060	6,723	30,523
Food	311	227	10	97	120
Beverage and tobacco products	312	100 i	11 i	21 i	69 i
Textile, apparel, and leather products	313–16	21 i	*	* i	20 i
Wood products	321	11	1 i	1 i	9
Printing and related support activities	323	28 i	5 i	5 i	18 i
Chemicals	325	7,379	1,225	1,420	4,734
Pharmaceuticals and medicines	3254	6,534	1,097	1,013	4,424
Other chemicals	other 325	845	127	408	310
Plastics and rubber products	326	154 i	*	8 i	146 i
Nonmetallic mineral products	327	26 i	4 i	5 i	17 i
Primary metals	331	19	1 i	1	17
Fabricated metal products	332	278 i	1 i	15 i	262 i
Machinery	333	558	10	100	448
Computer and electronic products	334	9,841	1,157	1,368 i	7,316
Semiconductor and other electronic components	3344	2,224	414	243	1,567
Navigational, measuring, electromedical, and control instruments	3345	5,477	299	668	4,511
Other computer and electronic products	other 334	2,140 i	444 i	457 i	1,239 i
Electrical equipment, appliances, and components	335	475 i	52 i	97 i	327 i
Transportation equipment	336	20,807 i	572 i	3,556 i	16,679 i
Aerospace products and parts	3364	17,072 i	412 i	1,897 i	14,763 i
Other transportation equipment	other 336	3,735	160 i	1,660	1,916
Furniture and related products	337	1 i	* i	* i	* i
Miscellaneous manufacturing	322, 324, 339	380	12 i	27	341
Nonmanufacturing industries	21–23, 42–81	17,310	1,172	6,185	9,952 i
Information	51	1,168	70	501	597
Publishing	511	1,038	56	474	508
Telecommunications	517	4 i	* i	1 i	2 i
Data processing, hosting, and related services	518	113	14	25	73 i
Other information	other 51	14	* i	* i	14
Professional, scientific, and technical services	54	15,400	1,040	5,611	8,748 i
Architectural, engineering, and related services	5413	1,872	60	797	1,015 i
Computer systems design and related services	5415	1,161 i	12	123	1,027 i
Scientific research and development services	5417	11,363	940	4,518	5,905 i
Biotechnology research and development	541711	3,168 i	487	289	2,391 i
Physical, engineering, and life sciences (except biotechnology) research and development	541712	7,440	405	3,799	3,236 i
Social sciences and humanities research and development	541720	756	48 i	431 i	278 i
Other professional, scientific, and technical services	other 54	1,003	28 i	173	802
Other nonmanufacturing	21–23, 42–49, 52, 53, 55–81	741	61	73	607
All companies (number of domestic employees)	–	57,615	4,233	12,908	40,475
Small companies <sup>a</sup>					
5–499	–	10,897	945	2,384 i	7,568 i
5–99	–	6,262 i	522	1,272 i	4,467 i
5–49	–	4,513 i	315 i	937 i	3,261 i
5–9	–	1,207 i	97 i	288 i	821 i
10–24	–	1,605 i	128 i	366 i	1,111 i
25–49	–	1,700	89	283 i	1,328
50–99	–	1,749	208	335	1,206 i
100–249	–	2,743	188	651	1,904
250–499	–	1,892	234	461 i	1,197
Medium and large companies					
500–999	–	1,722	125	674	923

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1,000–4,999	–	10,175	1,227	2,565	6,383
5,000–9,999	–	6,505	816	2,234	3,455
10,000–24,999	–	6,942	426 i	1,368	5,148
25,000 or more	–	21,374 i	694 i	3,683 i	16,997 i

\* = amount < \$500,000; 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> 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. 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.