

TABLE 46. Domestic R&D paid for by sources located outside the United States and performed by the company, by source of funds, industry, and company size: 2013
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Foreign companies			Foreign governments	All other
			Subsidiaries	Company's parent	Unaffiliated companies		
All industries	21-23, 31-33, 42-81	19,353	5,005	10,445	3,346	526	31
Manufacturing industries	31-33	15,903	3,934	9,043	2,384	518	24
Food	311	208	31	176	1 i	0	0
Beverage and tobacco products	312	105 i	5	97 i	4	0	0
Textile, apparel, and leather products	313-16	D	3	D	0	0	*
Wood products	321	5	*	4	1 i	0	* i
Paper	322	D	*	3	D	0	0
Printing and related support activities	323	16 i	1	* i	15 i	0	* i
Petroleum and coal products	324	*	*	0	*	0	0
Chemicals	325	7,064	1,448	3,690	1,904	0	22
Basic chemicals	3251	183	63	92	29	0	0
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	122	17	104	1	0	0
Pesticide, fertilizer, and other agricultural chemicals	3253	D	*	D	D	0	* i
Pharmaceuticals and medicines	3254	6,353	1,343	3,162	1,825	0	22
Soap, cleaning compound, and toilet preparation	3256	20	18	D	D	0	0
Paint, coating, adhesive, and other chemicals	3255, 3259	D	7	D	D	0	0
Plastics and rubber products	326	D	1	10 i	D	0	0
Nonmetallic mineral products	327	13 i	3	1 i	9 i	0	* i
Primary metals	331	D	7	D	D	* i	0
Fabricated metal products	332	D	8	7 i	1 i	D	0
Machinery	333	1,531	1,222	253	56	*	*
Agricultural implement	33311	51	17	34	* i	0	0
Semiconductor machinery	333295	1,233	1,164	58	10	0	0
Engine, turbine, and power transmission equipment	3336	28	0	10	18	0	*
Other machinery	other 333	219	40	152 i	27 i	*	* i
Computer and electronic products	334	4,158	993	2,720	D	D	1 i
Communications equipment	3342	943	105	834	2 i	2 i	0
Semiconductor and other electronic components	3344	2,104	654	1,359	90	1	0
Navigational, measuring, electromedical, and control instruments	3345	873	111	420	D	D	1 i
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	164	45	88	30	0	1 i
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	511	15	195	D	D	0
Other measuring and controlling device	other 3345	199	52	136	10	1	0
Other computer and electronic products	other 334	237	123	107	7	* i	0
Electrical equipment, appliances, and components	335	269 i	9	258 i	1 i	0	0
Transportation equipment	336	D	14	1,676	D	D	0
Automobiles, bodies, trailers, and parts	3361, 3362, 3363	1,786	14	1,673	99 i	* i	0
Aerospace products and parts	3364	D	*	1	D	D	0
Aircraft, aircraft engine, and aircraft parts	336411-13	D	*	1	D	D	0
Guided missile, space vehicle, and related parts	336414-15, 336419	D	0	0	0	D	0

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Military armored vehicle, tank, and tank components	336992	0	0	0	0	0	0
Other transportation	other 336	2 i	0	1 i	* i	* i	0
Furniture and related products	337	* i	0	* i	* i	* i	0
Miscellaneous manufacturing	339	349	187	144	17	0	0
Medical equipment and supplies	3391	340	186	137	17	0	0
Other miscellaneous manufacturing	3399	8 i	1	7 i	* i	0	0
Nonmanufacturing industries	21-23, 42-81	3,450	1,071	1,402	962 i	8	7 i
Mining, extraction, and support activities	21	D	393	0	D	*	0
Utilities	22	3	0	3	0	0	0
Wholesale trade	42	14	*	13	0	0	0
Electronic shopping and electronic auctions	454111-12	0	0	0	0	0	0
Transportation and warehousing	48-49	0	0	0	0	0	0
Information	51	914	402	506	6	0	0
Publishing	511	871	397	468	6	0	0
Newspaper, periodical, book, and directory publishers	5111	* i	0	0	* i	0	0
Software publishers	5112	871	397	468	6	0	0
Telecommunications	517	1	*	*	* i	0	0
Data processing, hosting, and related services	518	39 i	3	36 i	0	0	0
Other information	other 51	3	2	1	*	0	0
Finance and insurance	52	52	52	0	0	0	0
Real estate and rental and leasing	53	0	0	0	0	0	0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	0	0	0	0	0	0
Other real estate and rental and leasing	other 53	0	0	0	0	0	0
Professional, scientific, and technical services	54	1,685 i	145	863	662 i	8	7 i
Architectural, engineering, and related services	5413	111	12	52	46	1 i	* i
Computer systems design and related services	5415	222	66	156 i	* i	*	0
Scientific research and development services	5417	1,184 i	44	578	549 i	6	7 i
Biotechnology research and development	541711	685 i	13	270	398 i	1	3 i
Physical, engineering, and life sciences (except biotechnology) research and development	541712	499	31	309 i	150	5	4
Social sciences and humanities research and development	541720	0	0	0	0	0	0
Other professional, scientific, and technical services	other 54	168	24	77	67	* i	* i
Health care services	621-23	18	0	D	D	0	0
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	D	78 i	D	0	0	0
All companies (number of domestic employees)	-	19,353	5,005	10,445	3,346	526	31
Small companies ^a							
5-499	-	3,321	624	2,106	551	11 i	29
5-99	-	1,414	216	874	308	6	10
5-49	-	771 i	145 i	455 i	156 i	5	10

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5-9	-	79 i	8	42 i	24 i	1	3
10-24	-	280 i	24	172 i	77 i	2 i	6
25-49	-	412 i	113 i	240	55 i	3	* i
50-99	-	643	71	419	152	1 i	1
100-249	-	985	167	672	142	3	1 i
250-499	-	922	241	560 i	101	2 i	18
Medium and large companies							
500-999	-	880	220	593	66	1	* i
1,000-4,999	-	6,832	1,211	4,581	1,038	1 i	1 i
5,000-9,999	-	3,623	1,616	1,660	345	*	1 i
10,000-24,999	-	2,828	434	1,310	1,083	2	0
25,000 or more	-	1,868	900	195	263 i	510	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.

^a 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.