

TABLE 40. 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: 2014
(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	23,013	5,298	13,407	3,839	415 i	55
Manufacturing industries	31-33	17,845	3,824	10,746	2,827	D	D
Food	311	252	58	194	* i	0	0
Beverages and tobacco products	312	D	*	D	D	0	0
Textiles, apparel, and leather products	313-16	30	28	2 i	0	0	0
Wood products	321	8 i	1 i	6 i	* i	0	0
Paper	322	6	*	3	3	0	0
Printing and related support activities	323	3 i	2	* i	1 i	0	0
Petroleum and coal products	324	*	0	0	*	0	0
Chemicals	325	D	1,305	5,407	2,267	1	D
Basic chemicals	3251	291	101	D	D	0	0
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	33	32	1 i	* i	0	* i
Pesticides, fertilizers, and other agricultural chemicals	3253	450	*	D	D	0	* i
Pharmaceuticals and medicines	3254	D	1,153	4,858	2,164	1	D
Soaps, cleaning compounds, and toilet preparations	3256	21	*	2 i	0	0	0
Paints, coatings, adhesives, and other chemicals	3255, 3259	10 i	0	9 i	1 i	0	* i
Plastics and rubber products	326	25	6	16 i	2 i	0	0
Nonmetallic mineral products	327	19	3	13	4 i	0	* i
Primary metals	331	4 i	1	2 i	1 i	* i	0
Fabricated metal products	332	44	38	5 i	* i	* i	0
Machinery	333	474	88	299 i	86	*	* i
Agricultural implements	33311	67	31	5	31	* i	0
Semiconductor machinery	333295	119 i	0	90 i	28	0	0
Engines, turbines, and power transmission equipment	3336	12	0	12	0	0	0
Other machinery	other 333	276	57	192	27 i	*	* i
Computer and electronic products	334	5,163	1,941	2,759	269	194	1
Communications equipment	3342	546	6	531	9	* i	0
Semiconductors and other electronic components	3344	3,490	1,665	1,686	138	* i	1
Navigational, measuring, electromedical, and control instruments	3345	960	134	522	110	193	0
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	236	104	124	9 i	0	0
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	505	10	209	93	193	0
Other measuring and controlling devices	other 3345	218	20	190	8	* i	0
Other computer and electronic products	other 334	167	136	19	13	* i	0
Electrical equipment, appliances, and components	335	193 i	70	100 i	17 i	0	7 i
Transportation equipment	336	D	69	1,532	134	D	*
Automobiles, bodies, trailers, and parts	3361-63	1,687	68	1,532	87 i	0	0
Aerospace products and parts	3364	D	1	0	47	D	*
Aircraft, aircraft engines, and aircraft parts	336411-13	D	1	0	47	D	*
Guided missiles, space vehicles, and related parts	336414-15, 336419	D	0	0	0	D	0

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Military armored vehicles, tanks, and tank components	336992	* i	0	0	* i	0	0
Other transportation	other 336	1	0	*	* i	0	0
Furniture and related products	337	D	7	0	D	* i	0
Miscellaneous	339	553	207	D	D	0	0
Medical equipment and supplies	3391	513	206	272	36	0	0
Other miscellaneous manufacturing	3399	39 i	1	D	D	0	0
Nonmanufacturing industries	21–23, 42–81	5,169	1,474	2,661 i	1,012	D	D
Mining, extraction, and support activities	21	D	449	D	D	0	1
Utilities	22	3	0	3	0	0	0
Wholesale trade	42	13 i	3 i	10 i	0	0	0
Electronic shopping and electronic auctions	454111–12	0	0	0	0	0	0
Transportation and warehousing	48–49	3	0	0	3	0	0
Information	51	1,501	726	734	41	0	0
Publishing	511	1,143	435	667	40	0	0
Newspaper, periodical, book, and directory publishers	5111	0	0	0	0	0	0
Software publishers	5112	1,143	435	667	40	0	0
Telecommunications	517	6 i	0	5	1 i	0	0
Data processing, hosting, and related services	518	D	D	8	0	0	0
Other information	other 51	D	D	53	* i	0	0
Finance and insurance	52	54	54	0	0	0	0
Real estate and rental and leasing	53	1	1	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	1	1	0	0	0	0
Professional, scientific, and technical services	54	2,653 i	241	1,781 i	610 i	D	D
Architectural, engineering, and related services	5413	202 i	13	138 i	51	0	0
Computer systems design and related services	5415	D	147	1,085 i	10 i	0	D
Scientific R&D services	5417	D	15	417	524 i	D	1
Biotechnology R&D	541711	394 i	8	31 i	355 i	0	0
Physical, engineering, and life sciences (except biotechnology) R&D	541712	D	7	366	169	D	1
Social sciences and humanities R&D	541720	20	0	20	* i	*	*
Other professional, scientific, and technical services	other 54	232	66	141	25	*	0
Health care services	621–23	5	0	4	1 i	0	0
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	D	*	D	D	0	0
All companies (number of domestic employees)	–	23,013	5,298	13,407	3,839	415 i	55
Small companies ^a							
5–499	–	5,288 i	739	3,749 i	743 i	10	46
5–99	–	3,090 i	127	2,462 i	468 i	9	23 i
5–49	–	1,701 i	85	1,431 i	160 i	8	16 i

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5-9	-	114 i	8	66 i	37 i	2	1 i
10-24	-	272 i	11	180	64 i	3	13 i
25-49	-	1,315 i	66	1,185 i	59	3	2
50-99	-	1,389 i	42	1,031 i	308 i	1 i	6 i
100-249	-	1,067	346	599	100	* i	21
250-499	-	1,131	266	688	175	1	2
Medium and large companies							
500-999	-	1,342	453	769	118	* i	1 i
1,000-4,999	-	7,427	1,511	4,848	1,066	2 i	1 i
5,000-9,999	-	3,901	1,127	2,443	330	* i	1 i
10,000-24,999	-	3,196	598	1,283	1,310	2 i	4 i
25,000 or more	-	1,859	869	316	272 i	401 i	1

* = 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 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. In all other tables, R&D costs of foreign company subsidiaries of U.S. companies are included in company-funded U.S. domestic R&D totals. Only in this table are such R&D costs classified as being part of R&D paid for by sources located outside of the United States.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2014.