

TABLE 37. 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: 2012
(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	16,841	4,606	8,486	3,607	120	22	
Manufacturing industries	31-33	13,129	3,691	7,052	2,268	112	6	
Food	311	161	41	117	2	0	0	
Beverage and tobacco products	312	D	D	D	D	0	0	
Textile, apparel, and leather products	313-16	13	*	13	0	0	0	
Wood products	321	D	*	D	* i	0	0	
Paper	322	2	*	D	D	0	0	
Printing and related support activities	323	D	D	0	1 i	0	0	
Petroleum and coal products	324	D	D	* i	* i	0	0	
Chemicals	325	5,882	1,276	3,127	1,478	0	1	
Basic chemicals	3251	133	51	60	22	0	0	
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	121	28	D	D	0	0	
Pesticide, fertilizer, and other agricultural chemical	3253	D	*	D	D	0	0	
Pharmaceuticals and medicines	3254	5,342	1,188	2,748	1,405 i	0	1	
Soap, cleaning compound, and toilet preparation	3256	D	4	* i	D	0	0	
Paint, coating, adhesive, and other chemicals	3255, 3259	D	5	D	* i	0	0	
Plastics and rubber products	326	253 i	2	251 i	* i	0	0	
Nonmetallic mineral products	327	5	2	* i	3	*	0	
Primary metals	331	41	0	40	1	0	0	
Fabricated metal products	332	18 i	1	5 i	11 i	0	0	
Machinery	333	366	169	121	71	0	4	
Agricultural implement	33311	D	D	19	* i	0	* i	
Semiconductor machinery	333295	70	D	58	D	0	0	
Engine, turbine, and power transmission equipment	3336	134	D	D	D	0	4	
Other machinery	other 333	D	59	D	D	0	* i	
Computer and electronic products	334	3,465	1,187	1,611	556	112	*	
Communications equipment	3342	520	75	431	13	1	0	
Semiconductor and other electronic components	3344	1,708	571	765	372	0	0	
Navigational, measuring, electromedical, and control instruments	3345	730	144	328	147	111	0	
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	226	52	D	D	0	0	
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	D	D	D	D	111	0	
Other measuring and controlling device	other 3345	D	D	1	0	0	0	
Other computer and electronic products	other 334	507	397	86	24 i	0	*	
Electrical equipment, appliances, and components	335	D	D	132	*	0	0	
Transportation equipment	336	1,742	382	1,247	112	0	1	
Automobiles, bodies, trailers, and parts	3361-63	1,713	D	1,244	D	0	0	
Aerospace products and parts	3364	26	D	1	D	0	1	
Aircraft, aircraft engine, and aircraft parts	336411-13	25	D	1	D	0	0	
Guided missile, space vehicle, and related parts	336414-15, 336419	1	0	0	0	0	1	
Military armored vehicle, tank, and tank component	336992	0	0	0	0	0	0	

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Other transportation	other 336	3 i	0	3 i	* i	0	* i	
Furniture and related products	337	0	0	0	0	0	0	
Miscellaneous	339	441	124	D	D	0	*	
Medical equipment and supplies	3391	358	81	250	26	0	0	
Other miscellaneous manufacturing	3399	83	42	D	D	0	*	
Nonmanufacturing industries	21-23, 42-81	3,712	915	1,434	1,339	8 i	16	
Mining, extraction, and support activities	21	D	378	0	D	0	0	
Utilities	22	3	0	2	1	0	0	
Wholesale trade	42	45 i	3	30 i	12 i	0	0	
Electronic shopping and electronic auctions	454111-12	D	1	D	0	0	0	
Transportation and warehousing	48-49	0	0	0	0	0	0	
Information	51	665	245	419	*	*	*	
Publishing	511	427	59	367	*	*	*	
Newspaper, periodical, book, and directory publishers	5111	0	0	0	0	0	0	
Software publishers	5112	427	59	367	*	*	*	
Telecommunications	517	D	D	20	0	0	0	
Data processing, hosting, and related services	518	D	D	15	0	0	0	
Other information	other 51	D	D	16	0	0	0	
Finance and insurance	52	58	57	0	2	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	2,191	222	897	1,050	8 i	16	
Architectural, engineering, and related services	5413	95 i	0	16	68 i	2 i	9 i	
Computer systems design and related services	5415	208	27	167	13	0	1	
Scientific research and development services	5417	1,738	186	592	948	5	6	
Biotechnology research and development	541711	809	6	223	576	1	3	
Physical, engineering, and life sciences (except biotechnology) research and development	541712	930	180	370	372	4	3	
Social sciences and humanities research and development	541720	*	0	0	0	0	*	
Other professional, scientific, and technical services	other 54	150	9	120	21	* i	*	
Health care services	621-23	7	0	0	7	0	0	
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	D	10	D	D	*	0	
All companies (number of domestic employees)	-	16,841	4,606	8,486	3,607	120	22	
Small companies ^a								
5-499	-	2,929	799	1,494	611	8 i	16	
5-99	-	1,154	216	623	299 i	7 i	10 i	
5-49	-	607	58	346	188 i	6	7	
5-9	-	75 i	2	45 i	28 i	* i	*	

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10-24	-	267	26	140	91 i	3	6	
25-49	-	265	30	161	69 i	3 i	1 i	
50-99	-	547	157	276	110 i	1 i	2 i	
100-249	-	813	260	315	231	1	6	
250-499	-	962	323	556	82	* i	* i	
Medium and large companies								
500-999	-	729	228	443	57	* i	*	
1,000-4,999	-	5,306	439	4,045	818	D	D	
5,000-9,999	-	3,308	689	1,327	1,292	0	0	
10,000-24,999	-	2,046	396	956	688	D	D	
25,000 or more	-	2,524	2,056	222	141	101	4	

* = 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 The 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. The 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.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, and U.S. Census Bureau, Business R&D and Innovation Survey, 2012.