

TABLE 39. Domestic R&D paid for by the U.S. federal government and performed by the company, by funding agency, industry, and company size: 2014
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	DOD	DOE	NASA	NIH	DHS	DOT	EPA	NSF	All other agencies
All industries	21-23, 31-33, 42-81	26,554 i	19,265 i	1,219 i	4,496 i	770	83	24	9	14	674
Manufacturing industries	31-33	21,303 i	15,945 i	637 i	4,234 i	215 i	41	11	*	2	219
Food	311	*	0	0	0	0	0	0	0	0	*
Beverages and tobacco products	312	* i	* i	0	* i	0	0	0	0	0	0
Textiles, apparel, and leather products	313-16	9 i	4	0	4 i	0	0	0	0	0	0
Wood products	321	2 i	* i	1 i	0	* i	0	0	0	0	1 i
Paper	322	0	0	0	0	0	0	0	0	0	0
Printing and related support activities	323	* i	0	* i	0	* i	0	0	0	0	0
Petroleum and coal products	324	0	0	0	0	0	0	0	0	0	0
Chemicals	325	404	64	115 i	3 i	125	2	0	0	1	94
Basic chemicals	3251	79 i	4	73 i	0	*	0	0	0	1	1
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	10 i	7	1 i	0	2 i	0	0	0	0	0
Pesticides, fertilizers, and other agricultural chemicals	3253	4 i	3 i	0	0	0	0	0	0	0	*
Pharmaceuticals and medicines	3254	272	49	6 i	3 i	119	2	0	0	0	93
Soaps, cleaning compounds, and toilet preparations	3256	6 i	1	2 i	0	3 i	0	0	0	0	0
Paints, coatings, adhesives, and other chemicals	3255, 3259	33	*	33	0	0	0	0	0	0	0
Plastics and rubber products	326	1 i	*	*	0	* i	0	0	0	0	0
Nonmetallic mineral products	327	4	3	* i	0	* i	0	0	0	0	0
Primary metals	331	22 i	7	15 i	0	0	0	0	0	0	0
Fabricated metal products	332	34 i	4 i	1 i	28 i	0	0	0	0	*	0
Machinery	333	78	1	76	*	0	0	*	0	0	0
Agricultural implements	33311	2 i	0	2 i	0	0	0	0	0	0	0
Semiconductor machinery	333295	1	*	1	0	0	0	0	0	0	0
Engines, turbines, and power transmission equipment	3336	45	1	44	0	0	0	*	0	0	0
Other machinery	other 333	30 i	*	30 i	*	0	0	0	0	0	0
Computer and electronic products	334	4,456	3,827	51 i	383 i	45 i	26	D	0	*	D
Communications equipment	3342	733 i	533 i	8 i	186 i	5 i	0	0	0	0	0
Semiconductors and other electronic components	3344	41	17	22	0	0	0	0	0	0	2
Navigational, measuring, electromedical, and control instruments	3345	3,638	3,236	21	196	40 i	26	D	0	*	D
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	27 i	1	* i	0	26 i	0	0	0	*	0
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	3,565	3,225	7	192	0	26	D	0	0	D
Other measuring and controlling devices	other 3345	46	11	14	5 i	14 i	0	0	0	0	3
Other computer and electronic products	other 334	44	41	0	* i	0	0	0	0	0	3

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Electrical equipment, appliances, and components	335	48 i	12	26 i	0	10 i	0	0	0	0	0
Transportation equipment	336	16,153 i	12,002 i	316 i	3,813 i	D	13	D	0	*	1
Automobiles, bodies, trailers, and parts	3361-63	254 i	D	D	1 i	0	D	D	0	0	*
Aerospace products and parts	3364	14,826 i	10,928 i	D	D	D	D	0	0	0	1
Aircraft, aircraft engines, and aircraft	336411-13	D	D	D	D	D	D	0	0	0	1
Guided missiles, space vehicles, and related parts	336414-15, 336419	D	D	D	D	0	0	0	0	0	0
Military armored vehicles, tanks, and tank components	336992	D	*	D	* i	0	0	0	0	0	0
Other transportation	other 336	D	D	D	D	* i	0	0	0	*	0
Furniture and related products	337	3 i	* i	* i	2 i	* i	0	0	0	0	0
Miscellaneous	339	90 i	19	34 i	0	D	1	0	*	*	D
Medical equipment and supplies	3391	75 i	D	34 i	0	23 i	1	0	*	0	D
Other miscellaneous manufacturing	3399	15 i	D	0	0	D	0	0	0	*	0
Nonmanufacturing industries	21-23, 42-81	5,251	3,320	582 i	263	555	42	14	9	12	455
Mining, extraction, and support activities	21	2	0	2	0	0	0	0	0	0	0
Utilities	22	49	0	49	0	0	0	0	0	0	0
Wholesale trade	42	0	0	0	0	0	0	0	0	0	0
Electronic shopping and electronic auctions	454111-12	0	0	0	0	0	0	0	0	0	0
Transportation and warehousing	48-49	*	0	0	0	0	0	*	0	0	0
Information	51	162	114	40 i	1	5 i	1	0	0	1	*
Publishing	511	99	76	21	0	1	1	0	0	0	*
Newspaper, periodical, book, and directory publishers	5111	0	0	0	0	0	0	0	0	0	0
Software publishers	5112	99	76	21	0	1	1	0	0	0	*
Telecommunications	517	9	5	3 i	*	* i	0	0	0	0	0
Data processing, hosting, and related services	518	53	33	15 i	* i	4 i	0	0	0	1	*
Other information	other 51	1 i	* i	1 i	0	* i	0	0	0	0	0
Finance and insurance	52	0	0	0	0	0	0	0	0	0	0
Real estate and rental and leasing	53	0	0	0	0	0	0	0	0	0	0
Lessors of nonfinancial intangible assets (except copyrighted works)	533	0	0	0	0	0	0	0	0	0	0
Other real estate and rental and leasing	other 53	0	0	0	0	0	0	0	0	0	0
Professional, scientific, and technical services	54	5,016	3,203	482 i	255	549	39	13	9	11	455
Architectural, engineering, and related services	5413	1,298	997	275 i	12 i	0	*	5	2	0	8
Computer systems design and related services	5415	471 i	339	37 i	0	77 i	*	2	0	*	16
Scientific R&D services	5417	2,954	1,765	147	139	426	39	7	7	10	414
Biotechnology R&D	541711	114	D	D	0	89	0	0	0	D	D

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Physical, engineering, and life sciences (except biotechnology) R&D	541712	2,270	1,727	137	139	163 i	38	D	D	D	D
Social sciences and humanities R&D	541720	569	D	D	0	174	1	D	D	D	D
Other professional, scientific, and technical services	other 54	293	101	23	104	46	*	0	1	*	17
Health care services	621-23	1 i	0	0	0	1 i	0	0	0	* i	0
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	21	3	9	7	0	2	0	0	0	0
All companies (number of domestic employees)	-	26,554 i	19,265 i	1,219 i	4,496 i	770	83	24	9	14	674
Small companies ^a											
5-499	-	3,399	1,883	529 i	272 i	529 i	23	7	4	11	141
5-99	-	1,942 i	862	419 i	146 i	394 i	6	7	3	11	95
5-49	-	1,463 i	597	333 i	99 i	330 i	5	4	3	7	85
5-9	-	318 i	73	137 i	34 i	69 i	*	0	*	*	5
10-24	-	617 i	220	105 i	35 i	202 i	3	1	*	6	47
25-49	-	528	304	92 i	30 i	59 i	2	3	2	1	33
50-99	-	480	265	85 i	47 i	65	1	3	*	4	10
100-249	-	950	664	94 i	40 i	94 i	14	*	*	1	42
250-499	-	507	356	17 i	86	40	3	0	1	0	4
Medium and large companies											
500-999	-	247	120	52 i	11	53	*	0	0	0	10
1,000-4,999	-	1,336	583	55	127 i	174	2	D	1	1	D
5,000-9,999	-	992 i	784 i	133 i	67	6 i	0	D	0	0	D
10,000-24,999	-	3,724	2,605	80	963 i	4 i	20	D	4	*	D
25,000 or more	-	16,858 i	13,291 i	369 i	3,056 i	5	38	8	0	1	90

* = 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.

DHS = Department of Homeland Security, DOD = Department of Defense, DOE = Department of Energy, DOT = Department of Transportation, EPA = Environmental Protection Agency, NAICS = 2012 North American Industry Classification System, NASA = National Aeronautics and Space Administration, NIH = National Institutes of Health, NSF = National Science Foundation.

^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: 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.

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