

TABLE 70. Domestic R&D paid for by the U.S. federal government and performed by the company, by funding agency, industry, and company size: 2009
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	DOD	DOE	NASA	NIH	All other agencies
All industries	21-23, 31-33, 42-81	39,573 i	28,179 i	987	2,104	916	7,387
Manufacturing industries	31-33	28,825 i	23,783 i	682 i	1,613	393 i	2,353 i
Food	311	D	D	D	0	0	0
Beverage and tobacco products	312	*	0	0	0	0	*
Textiles, apparel, and leather products	313-316	4	3	0	0	0	1
Wood products	321	0	0	0	0	0	0
Paper	322	D	1	D	0	2	D
Printing and related support activities	323	1	0	0	0	1	0
Petroleum and coal products	324	D	D	D	0	0	D
Chemicals	325	207	51	30	*	106	20
Basic chemicals	3251	59	27	27	0	1	3 i
Resin, synthetic rubber, fibers, and filaments	3252	1	1	*	0	0	1
Pesticide, fertilizer, and other agricultural chemical	3253	D	0	D	0	0	0
Pharmaceuticals and medicines	3254	113	15	0	*	84	14
Soap, cleaning compound, and toilet preparation	3256	0	0	0	0	0	0
Paint, coating, adhesive, and other chemical	3255, 3259	D	9	D	0	20	2 i
Plastics and rubber products	326	27	16	6	*	2 i	3 i
Nonmetallic mineral products	327	18 i	11 i	5 i	2 i	*	*
Primary metals	331	11	9	1	*	0	1
Fabricated metal products	332	19	18	1	*	0	*
Machinery	333	150	44	92	2 i	4	8
Agricultural implements	33311	1	*	1	0	0	0
Semiconductor machinery	333295	D	9	D i	1 i	*	*
Engine, turbine, and power transmission equipment	3336	D	D	D	0	0	0
Other machinery	other 333	D	D	D	1	4	7
Computer and electronic products	334	5,210 i	2,990 i	323 i	316 i	266 i	1,315 i
Communications equipment	3342	768 i	D i	0	D i	0	D i
Semiconductor and other electronic components	3344	83	D	21	D	1	5
Navigational, measuring, electromedical, and control instruments	3345	4,325 i	2,229 i	301 i	304 i	265 i	1,226 i
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	D i	D i	D i	0	D i	D i
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	3,171 i	1,948 i	D i	291 i	*	D i
Other measuring and controlling instruments	other 3345	D	D	D	13	D	D
Computer and peripheral equipment and other computer and electronic products	other 334	33	D	0	0	1	D
Electrical equipment, appliances, and components	335	70	31	19	1	2	18
Transportation equipment	336	23,023 i	20,562 i	178 i	1,293	7	983
Automobiles, bodies, trailers, and parts	3361-3363	D	D	D	0	0	D
Aerospace products and parts	3364	21,524 i	D i	D i	1,293	7	D
Aircraft, aircraft engine, and aircraft parts	336411-336413	D i	14,297 i	D i	D	7	D
Guided missile, space vehicle, and related parts	336414, 336415, 336419	D	D	0	D	0	D
Military armored vehicle, tank, and tank components	336992	2	2	0	0	0	0
Other transportation equipment	other 336	D i	D i	0	0	0	*
Furniture and related products	337	0	0	0	0	0	0

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Miscellaneous manufacturing	339	62	44	9	*	4	4
Medical equipment and supplies	3391	21	18	0	0	2	1
Other miscellaneous manufacturing	3399	41	26	9	*	2	3
Nonmanufacturing industries	21-23, 42-81	10,749	4,396	305	490	523	5,035
Mining, extraction, and support activities	21	D	0	D	0	0	D
Utilities	22	27	0	27	0	0	0
Construction	23	*	0	0	0	*	0
Wholesale trade	42	6 i	3	0	0	0	3 i
Retail trade	44, 45	0	0	0	0	0	0
Electronic shopping and mail-order houses	4541	0	0	0	0	0	0
Other retail trade	other 44, 45	0	0	0	0	0	0
Transportation and warehousing	48, 49	26 i	D i	D	0	0	*
Information	51	194	137	D	D	D	D
Publishing	511	176	125	D	2	1	D
Newspaper, periodical, book, and directory publishers	5111	0	0	0	0	0	0
Software publishers	5112	176	125	D	2	1	D
Telecommunications	517	5	1	0	D	0	D
Data processing, hosting, and related services	518	12	12	0	0	0	*
Other information	other 51	1	0	0	0	*	1
Finance and insurance	52	1 i	0	0	0	0	1 i
Real estate and rental and leasing	53	0	0	0	0	0	0
Professional, scientific, and technical services	54	10,461	4,228	D	D	D	4,972
Architectural, engineering, and related services	5413	1,421	1,225	77	23	0	96
Computer systems design and related services	5415	1,240	1,097	0	49	20	74
Scientific R&D services	5417	2,657	1,394	149	119	445	549
Biotechnology R&D	541711	327	77	30	2	197	21
Physical, engineering, and life sciences (except biotechnology) R&D	541712	1,788	1,286	120	115	107	160
Social sciences and humanities R&D	541720	543	31	*	2	142	367
Other professional, scientific, and technical services	other 54	5,143	512 i	D	D i	D	4,252
Health care services	621-623	D	D	0	D	D	D
Other nonmanufacturing	55, 56, 61, 624, 71, 72, 81	D	*	0	0	5	D
All companies	-	39,573 i	28,179 i	987	2,104	916	7,387
Small companies (number of domestic employees) ^a							
5-499	-	8,834	3,296	227	252	452	4,607
5-99	-	6,467	2,343	166	150	338	3,469
5-49	-	2,312	1,562	125	101	252	273
5-24	-	1,281	743	61	86	161	230
25-49	-	1,032	819	64	14	91	43
50-99	-	4,155	781	41	49	86	3,197
100-249	-	691	450	49	68	78	44
250-499	-	1,677 i	503	12	33 i	35	1,094 i
Medium and large companies (number of domestic employees)							
500-999	-	473	251	1	D	D	55

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1,000–4,999	–	1,612	853	70	D	D	424
5,000–9,999	–	1,005 i	767 i	55 i	123	1 i	59 i
10,000–24,999	–	5,889 i	3,076 i	380 i	D	D i	1,205 i
25,000 or more	–	21,759 i	19,937 i	253	522 i	10	1,038

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies; i = value > 50% of estimate is a combination of imputation and reweighting to account for nonresponse.

DOD = Department of Defense; DOE = Department of Energy; NAICS = 2007 North American Industry Classification System; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health.

^a Upper bound based on U.S. Small Business Administration's definition of small business; Business R&D and Innovation Survey (BRDIS) 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, 2009.