

TABLE 113. Domestic R&D paid for by the U.S. federal government and performed by the company, by funding agency, industry, and company size: 2010
(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	34,199 i	28,545 i	1,089	1,872	872	1,822
Manufacturing industries	31-33	26,739 i	23,467 i	606	1,497	112	1,057
Food	311	15	D	D	0	D	D
Beverage and tobacco products	312	* i	* i	* i	0	0	0
Textiles, apparel, and leather products	313-316	5	4	0	0	0	1
Wood products	321	0	0	0	0	0	0
Paper	322	D	D	D	0	D	2
Printing and related support activities	323	1	0	0	0	1	0
Petroleum and coal products	324	D	D	0	0	0	0
Chemicals	325	180	75	30	*	53	21
Basic chemicals	3251	40	18	11	*	2	9
Resin, synthetic rubber, fibers, and filaments	3252	5	3	1	0	*	1
Pesticide, fertilizer, and other agricultural chemical	3253	D	D	1	0	0	*
Pharmaceuticals and medicines	3254	99	D	D	*	48	9
Soap, cleaning compound, and toilet preparation	3256	*	*	0	0	0	0
Paint, coating, adhesive, and other chemical	3255, 3259	D	D	D	0	2	3
Plastics and rubber products	326	8	1	4	0	0	2
Nonmetallic mineral products	327	23	16	5	1	0	1
Primary metals	331	29	15	12	1 i	1 i	1
Fabricated metal products	332	90	90	1	0	0	0
Machinery	333	98	46	38	2	5	6
Agricultural implement	33311	3	* i	3	* i	* i	* i
Semiconductor machinery	333295	3	2 i	2	0	0	0
Engine, turbine, and power transmission equipment	3336	22	5	17	0	0	0
Other machinery	other 333	69	39	16	2	5	6
Computer and electronic products	334	5,935	5,290	57	242 i	29 i	318
Communications equipment	3342	D	D	D	D	D	D
Semiconductor and other electronic components	3344	177	D	28	D	0	D
Navigational, measuring, electromedical, and control instruments	3345	4,906	4,375	28	216 i	28 i	260
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	62	15 i	15	0	18 i	14
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	4,763	4,305	D	D	D	237
Other measuring and controlling instruments	other 3345	81	55	D	D	D	9 i
Other computer and electronic products	other 334	D	D	D	0	D	D
Electrical equipment, appliances, and components	335	84	63	16	*	2	3 i
Transportation equipment	336	20,191 i	17,830 i	D	1,246	9	D
Automobiles, bodies, trailers, and parts	3361-3363	D	D	D	0	0	D
Aerospace products and parts	3364	18,921 i	16,740 i	244 i	1,246	9	683
Aircraft, aircraft engine, and aircraft parts	336411-336413	D	14,130 i	244 i	D	9	D
Guided missile, space vehicle, and related parts	336414, 336415, 336419	D	2,611	0	D	0	D
Military armored vehicle, tank, and tank components	336992	0	0	0	0	0	0
Other transportation	other 336	D	D	0	0	0	D
Furniture and related products	337	0	0	0	0	0	0
Miscellaneous manufacturing	339	D	D	5	6	13	10

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Medical equipment and supplies	3391	28	4	1	5	8	9
Other miscellaneous manufacturing	3399	D	D	4	1 i	5	*
Nonmanufacturing industries	21–23, 42–81	7,460	5,077	483	375	761	765
Mining, extraction, and support activities	21	4	0	4	0	0	*
Utilities	22	45	0	45	0	0	1
Construction	23	367	337	27	3	0	*
Wholesale trade	42	34	7	0	0	28	* i
Retail trade	44, 45	0	0	0	0	0	0
Electronic shopping and electronic auctions	454111, 454112	0	0	0	0	0	0
Other retail trade	other 44, 45	0	0	0	0	0	0
Transportation and warehousing	48, 49	5 i	4 i	0	*	0	*
Information	51	152	117	7	4	12	12
Publishing	511	140	113	7	4	8	7
Newspaper, periodical, book, and directory publishers	5111	* i	0	0	0	0	* i
Software publishers	5112	140	113	7	4	8	7
Telecommunications	517	5	1	0	0	0	4
Data processing, hosting, and related services	518	3	3	0	0	0	1
Other information	other 51	4	0	0	0	4	0
Finance and insurance	52	0	0	0	0	0	0
Real estate and rental and leasing	53	0	0	0	0	0	0
Professional, scientific, and technical services	54	6,829	4,611	399	367	712	739
Architectural, engineering, and related services	5413	1,534 i	1,363 i	32	39 i	24	77 i
Computer systems design and related services	5415	712	603	2	2	22	83
Scientific R&D services	5417	3,279	1,737	314	90	611	528
Biotechnology R&D	541711	465	D	33	3	240	D
Physical, engineering, and life sciences (except biotechnology) R&D	541712	2,352	1,584	281	83	241	162
Social sciences and humanities R&D	541720	463	D	*	3	130	D
Other professional, scientific, and technical services	other 54	1,303	908	52	237	55	51
Health care services	621–623	22	1	0	0	9 i	12
Other nonmanufacturing	55, 56, 624, 71, 72, 81	3	2	0	0	* i	1
All companies (number of employees)	–	34,199 i	28,545 i	1,089	1,872	872	1,822
Small companies (number of employees) ^a							
5–499	–	4,951	3,411	349	157	655	379
5–99	–	3,369	2,189	309	102	497	272
5–49	–	2,200	1,233	268	73	444	181
5–9	–	577	207	112	6	188	63
10–24	–	779	420	60	55	159	84
25–49	–	844	606	96	12	97	33
50–99	–	1,169	956	41	28	53	91
100–249	–	962	695	20	38	124	85
250–499	–	620	527	20	17	34	22
Medium and large companies (number of employees)							
500–999	–	585	382	22	123	45	13

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1,000–4,999	–	1,674	920	96	149	129	379
5,000–9,999	–	637	402	61	D	3 i	D
10,000–24,999	–	2,789	1,592	142 i	D	9 i	D
25,000 or more	–	23,563 i	21,837 i	418	381 i	31	896

* = amount < \$500,000; D = data withheld to avoid disclosing operations of individual companies; i = more than 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 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, 2010.