

TABLE 66. Domestic R&D paid for by others and performed by the company, by source of funds, industry, and company size: 2009
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Companies in United States	Companies outside United States	U.S. federal government agencies	U.S. state government agencies	Foreign government agencies	All other, in United States	All other, outside United States
All industries	21-23, 31-33, 42-81	57,473	9,567	7,647	39,573 i	195	59	363	68
Manufacturing industries	31-33	36,920 i	3,345	4,532	28,825 i	55	38	73	52
Food	311	D	101	D	D	D	0	4	0
Beverage and tobacco products	312	2	*	2	*	0	0	0	0
Textiles, apparel, and leather products	313-316	8	3	* i	4	* i	0	* i	0
Wood products	321	17	11	6	0	*	0	0	0
Paper	322	25	12	D	D	D	0	*	0
Printing and related support activities	323	1	*	0	1	*	0	* i	0
Petroleum and coal products	324	D	D	D	D	D	0	0	0
Chemicals	325	3,452	1,263	1,961	207	9	* i	8	4
Basic chemicals	3251	120	9	46	59	7	0	*	0
Resin, synthetic rubber, fibers, and filaments	3252	23	2	18	1	*	0	1	0
Pesticide, fertilizer, and other agricultural chemical	3253	D	0	D	D	D	0	0	0
Pharmaceuticals and medicines	3254	3,185	1,247	1,813	113	1	* i	6	4
Soap, cleaning compound, and toilet preparation	3256	3	3	* i	0	0	0	0	0
Paint, coating, adhesive, and other chemical	3255, 3259	D	3	D	D	D	0	1	0
Plastics and rubber products	326	139	110	2	27	*	0	1	0
Nonmetallic mineral products	327	23	D	D i	18 i	*	0	*	0
Primary metals	331	244	5	226	11	2 i	0	0	0
Fabricated metal products	332	109	70	14	19	D	D i	D i	D
Machinery	333	356	133	67	150	1	2	D	D
Agricultural implements	33311	7	2	1	1	0	2	0	0
Semiconductor machinery	333295	24	4	D	D	0	0	D	0
Engine, turbine, and power transmission equipment	3336	112	D i	8	D	*	0	0	0
Other machinery	other 333	214	D	D	D	*	*	D	D
Computer and electronic products	334	7,571	738	1,578	5,210 i	D	D	D	D
Communications equipment	3342	1,628	93	766	768 i	0	0	0	0
Semiconductor and other electronic components	3344	563	173	275	83	26	0	5	0
Navigational, measuring, electromedical, and control instruments	3345	4,915	382	197	4,325 i	D	D	D	D
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	1,259 i	D	117	D i	*	0	* i	0
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	3,562	312	70	3,171 i	D	D	D	0
Other measuring and controlling instruments	other 3345	94	D	9	D	0	0	D	D
Computer and peripheral equipment and other computer and electronic products	other 334	466	89	340	33	0	0	3	0
Electrical equipment, appliances, and components	335	228	55	66	70	D	D	36	0
Transportation equipment	336	24,114 i	757	251	23,023 i	D	27	D	D
Automobiles, bodies, trailers, and parts	3361-3363	D	D	D	D	D	D	D	D
Aerospace products and parts	3364	22,170 i	596	D	21,524 i	2	D	D	0
Aircraft, aircraft engine, and aircraft parts	336411-336413	15,402 i	D	19	D i	2	D	0	0

TABLE 66. Domestic R&D paid for by others and performed by the company, by source of funds, industry, and company size: 2009
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Companies in United States	Companies outside United States	U.S. federal government agencies	U.S. state government agencies	Foreign government agencies	All other, in United States	All other, outside United States
Guided missile, space vehicle, and related parts	336414, 336415, 336419	6,768	D	D	D	0	D	D	0
Military armored vehicle, tank, and tank components	336992	2	0	0	2	0	0	0	0
Other transportation equipment	other 336	D i	D	D	D i	D	0	D	0
Furniture and related products	337	3	3	*	0	0	0	*	0
Miscellaneous manufacturing	339	321	78	175	62	D	*	4	D
Medical equipment and supplies	3391	114	33	56	21	1	0	4	*
Other miscellaneous manufacturing	3399	207	45	119	41	D	*	1	D
Nonmanufacturing industries	21-23, 42-81	20,553	6,223	3,115	10,749	140	21	290	16
Mining, extraction, and support activities	21	D	D	D	D	0	0	D i	0
Utilities	22	33	5	0	27	*	0	1	0
Construction	23	5	5	0	*	0	0	0	0
Wholesale trade	42	D	50	104 i	6 i	D	1	* i	*
Retail trade	44, 45	0	0	0	0	0	0	0	0
Electronic shopping and mail-order houses	4541	0	0	0	0	0	0	0	0
Other retail trade	other 44, 45	0	0	0	0	0	0	0	0
Transportation and warehousing	48, 49	26 i	*	*	26 i	0	*	*	0
Information	51	811	349	233	194	25	*	1	8
Publishing	511	666	267	191	176	24	0	*	8
Newspaper, periodical, book, and directory publishers	5111	*	0	*	0	0	0	0	0
Software publishers	5112	666	267	191	176	24	0	*	8
Telecommunications	517	82	70	7	5	1	*	0	0
Data processing, hosting, and related services	518	60	12	35	12	1	0	0	0
Other information	other 51	3	1	0	1	0	0	1	0
Finance and insurance	52	8	6	0	1 i	0	0	0	0
Real estate and rental and leasing	53	0	0	0	0	0	0	0	0
Professional, scientific, and technical services	54	18,915	5,531	2,505	10,461	114	19	277	8
Architectural, engineering, and related services	5413	2,058	420	166	1,421	30	12	9	0
Computer systems design and related services	5415	1,818	449	122	1,240	0	0	4	3
Scientific R&D services	5417	9,289	4,397	2,110	2,657	31	7	82	5
Biotechnology R&D	541711	2,798	1,760	692	327	5	1	12	1
Physical, engineering, and life sciences (except biotechnology) R&D	541712	5,828	2,590	1,418	1,788	8	6	15	3
Social sciences and humanities R&D	541720	663	47	0	543	19	0	55	1
Other professional, scientific, and technical services	other 54	5,751	265	108	5,143	53	*	182	0
Health care services	621-623	190	154	D i	D	* i	*	D	0
Other nonmanufacturing	55, 56, 61, 624, 71, 72, 81	134	D	D	D	D	0	0	0
All companies	-	57,473	9,567	7,647	39,573 i	195	59	363	68
Small companies (number of domestic employees) ^a									
5-499	-	14,461	3,340	1,870	8,834	96	17	289	16
5-99	-	9,342	1,830	688	6,467	65	15	262	16
5-49	-	4,351	1,419	290	2,312	55	13	251	12

TABLE 66. Domestic R&D paid for by others and performed by the company, by source of funds, industry, and company size: 2009
(Millions of U.S. dollars)

Industry and company size	NAICS code	Total	Companies in United States	Companies outside United States	U.S. federal government agencies	U.S. state government agencies	Foreign government agencies	All other, in United States	All other, outside United States
5-24	-	2,537	1,013	155	1,281	36	13	36	4
25-49	-	1,815	406	135	1,032	19	*	215	8
50-99	-	4,991	411	398	4,155	10	2	11	4
100-249	-	2,287	844	699	691	28	1	24	* i
250-499	-	2,832	666	483	1,677 i	3 i	* i	3	1
Medium and large companies (number of domestic employees)									
500-999	-	1,542	475	551	473	D i	D	31	D
1,000-4,999	-	5,625	1,368	2,547	1,612	D	6	32	D
5,000-9,999	-	4,279	2,591	673	1,005 i	D	D	1	D
10,000-24,999	-	8,847	1,021	1,870	5,889 i	D	D	4	0
25,000 or more	-	22,719 i	773	136	21,759 i	D	D	7	D

* = 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.

NAICS = 2007 North American Industry Classification System.

^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, 2009.