

TABLE 80. Domestic full-time equivalent R&D scientists and engineers, total and federally funded, by industry and company size: 2009
(Thousands)

Industry and company size	NAICS code	Total	Federally funded
All industries	21–23, 31–33, 42–81	874	76
Manufacturing industries	31–33	525	35 i
Food	311	9 i	*
Beverage and tobacco products	312	1	*
Textiles, apparel, and leather products	313–316	1	*
Wood products	321	1	0
Paper	322	6	* j
Printing and related support activities	323	1	*
Petroleum and coal products	324	3 i	*
Chemicals	325	94	1
Basic chemicals	3251	6	*
Resin, synthetic rubber, fibers, and filaments	3252	3 i	*
Pesticide, fertilizer, and other agricultural chemical	3253	3 i	*
Pharmaceuticals and medicines	3254	66	1
Soap, cleaning compound, and toilet preparation	3256	8	*
Paint, coating, adhesive, and other chemical	3255, 3259	7	*
Plastics and rubber products	326	11	*
Nonmetallic mineral products	327	2	*
Primary metals	331	2	*
Fabricated metal products	332	12	*
Machinery	333	42	*
Agricultural implements	33311	5	* j
Semiconductor machinery	333295	5	* j
Engine, turbine, and power transmission equipment	3336	3	*
Other machinery	other 333	29	*
Computer and electronic products	334	192	10 i
Communications equipment	3342	51 i	4 i
Semiconductor and other electronic components	3344	60	1
Navigational, measuring, electromedical, and control instruments	3345	48	5
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	12	*
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	22	4
Other measuring and controlling instruments	other 3345	15 i	1
Computer and peripheral equipment and other computer and electronic products	other 334	32	1
Electrical equipment, appliances, and components	335	16	1
Transportation equipment	336	98	21 i
Automobiles, bodies, trailers, and parts	3361–3363	40	*
Aerospace products and parts	3364	46	19 i
Aircraft, aircraft engine, and aircraft parts	336411–336413	39	13
Guided missile, space vehicle, and related parts	336414, 336415, 336419	8	5 i
Military armored vehicle, tank, and tank components	336992	* i	* j
Other transportation equipment	other 336	11 i	3 i
Furniture and related products	337	2	0
Miscellaneous manufacturing	339	32	*
Medical equipment and supplies	3391	23	*
Other miscellaneous manufacturing	3399	10	*
Nonmanufacturing industries	21–23, 42–81	349	41
Mining, extraction, and support activities	21	5	*
Utilities	22	1	*
Construction	23	3	0
Wholesale trade	42	4 i	* j
Retail trade	44, 45	3 i	0
Electronic shopping and mail-order houses	4541	3 i	0
Other retail trade	other 44, 45	*	0
Transportation and warehousing	48, 49	1	*
Information	51	162	1

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Publishing	511	111	1
Newspaper, periodical, book, and directory publishers	5111	*	0
Software publishers	5112	111	1
Telecommunications	517	24 i	*
Data processing, hosting, and related services	518	15	*
Other information	other 51	12	*
Finance and insurance	52	11 i	0
Real estate and rental and leasing	53	1	0
Professional, scientific, and technical services	54	154	39
Architectural, engineering, and related services	5413	20	6
Computer systems design and related services	5415	63	6
Scientific R&D services	5417	38	10
Biotechnology R&D	541711	17	2
Physical, engineering, and life sciences (except biotechnology) R&D	541712	20	7
Social sciences and humanities R&D	541720	1 i	1 i
Other professional, scientific, and technical services	other 54	32	18
Health care services	621–623	2	1 i
Other nonmanufacturing	55, 56, 61, 624, 71, 72, 81	2	*
All companies	–	874	76
Small companies (number of domestic employees) ^a			
5–499	–	256	38
5–99	–	164	27
5–49	–	101	12
5–24	–	63	7
25–49	–	39	4
50–99	–	63	15
100–249	–	50	4
250–499	–	42	7 i
Medium and large companies (number of domestic employees)			
500–999	–	36	2
1,000–4,999	–	132	4
5,000–9,999	–	62	4 i
10,000–24,999	–	136	16 i
25,000 or more	–	252	12 i

* = amount < \$500,000; 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.