

TABLE 123. Domestic R&D employment, by occupation, industry, and company size: 2010  
(Thousands)

Industry and company size	NAICS code	Total	R&D scientists and engineers and their managers	R&D technicians and technologists	R&D support staff (clerical and others)
All industries	21–23, 31–33, 42–81	1,412	950	292	170
Manufacturing industries	31–33	849	584	160	105
Food	311	22	12	7	4
Beverage and tobacco products	312	3	3	1	*
Textiles, apparel, and leather products	313–316	5	2	2	1
Wood products	321	2	1	1	*
Paper	322	8	6	2	1
Printing and related support activities	323	3	1	1	1
Petroleum and coal products	324	4	3	1	*
Chemicals	325	169	109	35	25
Basic chemicals	3251	12	7	4	2
Resin, synthetic rubber, fibers, and filaments	3252	5	3	2	1
Pesticide, fertilizer, and other agricultural chemical	3253	4	2	1	1
Pharmaceuticals and medicines	3254	120	78	22	21
Soap, cleaning compound, and toilet preparation	3256	12	9	2	1
Paint, coating, adhesive, and other chemical	3255, 3259	16	10	5	1
Plastics and rubber products	326	21	10	6	5
Nonmetallic mineral products	327	9	4	3	1
Primary metals	331	7	2	2	3
Fabricated metal products	332	27	12	9	6
Machinery	333	65	44	15	6
Agricultural implement	33311	7	6	1	*
Semiconductor machinery	333295	6	5	1	*
Engine, turbine, and power transmission equipment	3336	10	5	5	1
Other machinery	other 333	42	29	8	5
Computer and electronic products	334	266	207	40	19
Communications equipment	3342	55	42	9	4
Semiconductor and other electronic components	3344	80	65	10	5
Navigational, measuring, electromedical, and control instruments	3345	89	64	18	7
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	21	15	5	1
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	48	36	8	3
Other measuring and controlling instruments	other 3345	20	14	4	2
Other computer and electronic products	other 334	42	36	3	3
Electrical equipment, appliances, and components	335	29	21	6	2
Transportation equipment	336	155	113	20	21 i
Automobiles, bodies, trailers, and parts	3361–3363	50	38	7	4
Aerospace products and parts	3364	81	63	8	11 i
Aircraft, aircraft engine, and aircraft parts	336411–336413	75	58	7	10 i
Guided missile, space vehicle, and related parts	336414, 336415, 336419	6	5	1	*
Military armored vehicle, tank, and tank components	336992	*	*	*	* i
Other transportation	other 336	23 i	12 i	5 i	6 i
Furniture and related products	337	6	3	1	2
Miscellaneous manufacturing	339	46	30	10	6
Medical equipment and supplies	3391	33	22	6	5
Other miscellaneous manufacturing	3399	14	8	4	1
Nonmanufacturing industries	21–23, 42–81	563	366	132	65
Mining, extraction, and support activities	21	7	5	2	1
Utilities	22	3	2	1	1
Construction	23	13	9	2	2
Wholesale trade	42	14	6	5	3
Retail trade	44, 45	4	2	2	1
Electronic shopping and electronic auctions	454111, 454112	3	1	1	1
Other retail trade	other 44, 45	1	1	*	1
Transportation and warehousing	48, 49	2	1	*	1

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Information	51	208	164	31	13
Publishing	511	145	119	15	10
Newspaper, periodical, book, and directory publishers	5111	4	3	* i	1
Software publishers	5112	141	116	15	10
Telecommunications	517	17 i	14 i	2	1
Data processing, hosting, and related services	518	21	12	8	1
Other information	other 51	26	19	6	1
Finance and insurance	52	16	8	7	1
Real estate and rental and leasing	53	1	1	*	*
Professional, scientific, and technical services	54	260	157	67	36
Architectural, engineering, and related services	5413	39	28	7	5
Computer systems design and related services	5415	114	69	34	11
Scientific R&D services	5417	80	45	20	15
Biotechnology R&D	541711	25	16	5	4
Physical, engineering, and life sciences (except biotechnology) R&D	541712	52	28	13	11
Social sciences and humanities R&D	541720	3 i	1	2 i	*
Other professional, scientific, and technical services	other 54	26	15	6	4
Health care services	621–623	10	4	3	3
Other nonmanufacturing	55, 56, 624, 71, 72, 81	25	10	11 i	5
All companies (number of employees)	–	1,412	950	292	170
Small companies (number of employees) <sup>a</sup>					
5–499	–	441	259	123	59
5–99	–	270	159	76	34
5–49	–	191	115	52	23
5–9	–	35	20	9	7
10–24	–	80	48	23	10
25–49	–	75	47	21	7
50–99	–	79	44	24	11
100–249	–	102	58	29	14
250–499	–	70	41	18	11
Medium and large companies (number of employees)					
500–999	–	58	37	15	5
1,000–4,999	–	217	148	44	25
5,000–9,999	–	130	89	21	21
10,000–24,999	–	176	121	36	18
25,000 or more	–	390	296	52	42

\* = amount < 500 employees; i = value > 50% of estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2007 North American Industry Classification System.

<sup>a</sup> 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.