

TABLE 57. Domestic R&D employment, by occupation, industry, and company size: 2013
(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	1,495	1,014	308	174
Manufacturing industries	31–33	898	631	166	100
Food	311	29	19 i	6 i	5
Beverage and tobacco products	312	4	2	1	1
Textile, apparel, and leather products	313–16	8	3	4 i	1
Wood products	321	3	1	1 i	1
Paper	322	9	3	5	*
Printing and related support activities	323	4	2 i	1 i	1 i
Petroleum and coal products	324	2	1	*	1 i
Chemicals	325	166	110	27	29
Basic chemicals	3251	13	7	4	2
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	7	4	2	1
Pesticide, fertilizer, and other agricultural chemicals	3253	6 i	4 i	2 i	* i
Pharmaceuticals and medicines	3254	117	78	16	23
Soap, cleaning compound, and toilet preparation	3256	12	10	1	1
Paint, coating, adhesive, and other chemicals	3255, 3259	11	7	2	1 i
Plastics and rubber products	326	28	15 i	10 i	3
Nonmetallic mineral products	327	8	5 i	3 i	1
Primary metals	331	12	5 i	6 i	1
Fabricated metal products	332	33	14 i	12 i	7 i
Machinery	333	83	56	18	9 i
Agricultural implement	33311	10	7	3	1
Semiconductor machinery	333295	9	6	2	*
Engine, turbine, and power transmission equipment	3336	10	6	3	1
Other machinery	other 333	54	37	10 i	7 i
Computer and electronic products	334	255	205	30	21
Communications equipment	3342	57	47	6	3
Semiconductor and other electronic components	3344	109	88	10 i	11 i
Navigational, measuring, electromedical, and control instruments	3345	61	47	10	4
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	10	7	2 i	1
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	27	21	4	1
Other measuring and controlling device	other 3345	24	18	3	2
Other computer and electronic products	other 334	29	23	4	3 i
Electrical equipment, appliances, and components	335	30	21	7	2 i
Transportation equipment	336	157	123	19	14
Automobiles, bodies, trailers, and parts	3361, 3362, 3363	83	67	10	6
Aerospace products and parts	3364	64	51	7	5
Aircraft, aircraft engine, and aircraft parts	336411–13	59	47	7	5

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Guided missile, space vehicle, and related parts	336414–15, 336419	5	4	*	*
Military armored vehicle, tank, and tank components	336992	* i	* i	* i	* i
Other transportation	other 336	11	5 i	2 i	3 i
Furniture and related products	337	4	2	2 i	*
Miscellaneous manufacturing	339	62	44	13 i	5
Medical equipment and supplies	3391	47	33	10 i	4
Other miscellaneous manufacturing	3399	16	10	4 i	1
Nonmanufacturing industries	21–23, 42–81	597	382	142 i	73 i
Mining, extraction, and support activities	21	16	9	6	2
Utilities	22	2	1	*	*
Wholesale trade	42	12	4 i	* i	7 i
Electronic shopping and electronic auctions	454111–12	8	2 i	6 i	1 i
Transportation and warehousing	48–49	3	1 i	1	1 i
Information	51	277	199	49 i	28
Publishing	511	184	144	16	24
Newspaper, periodical, book, and directory publishers	5111	4	1 i	1 i	2 i
Software publishers	5112	181	143	16	22
Telecommunications	517	19	10 i	8 i	*
Data processing, hosting, and related services	518	42	20	18 i	4
Other information	other 51	32	24	7	1
Finance and insurance	52	25	8	16	1 i
Real estate and rental and leasing	53	1	1	* i	*
Lessors of nonfinancial intangible assets (except copyrighted works)	533	*	*	* i	*
Other real estate and rental and leasing	other 53	1	*	* i	*
Professional, scientific, and technical services	54	223	141 i	57 i	25 i
Architectural, engineering, and related services	5413	44	27 i	14 i	3
Computer systems design and related services	5415	75	55 i	11 i	9 i
Scientific research and development services	5417	72	38	24	9 i
Biotechnology research and development	541711	19	13	4	1
Physical, engineering, and life sciences (except biotechnology) research and development	541712	49	25	18	6 i
Social sciences and humanities research and development	541720	5	*	2 i	2 i
Other professional, scientific, and technical services	other 54	32	21 i	8 i	4 i
Health care services	621–23	3	1 i	2 i	* i
Other nonmanufacturing	23, 44–45 (excluding 454111–12), 55–56, 624, 71–72, 81	27	15 i	4 i	8 i
All companies (number of domestic employees)	–	1,495	1,014	308	174
Small companies ^a					
5–499	–	442	269 i	113 i	60 i

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5-99	-	251	151 i	61 i	38 i
5-49	-	170	103 i	39 i	27 i
5-9	-	36	21 i	7 i	7 i
10-24	-	62	38 i	14 i	11 i
25-49	-	72	44 i	18 i	10 i
50-99	-	81	48 i	22 i	11 i
100-249	-	112	66 i	33 i	13 i
250-499	-	79	51	19	9
Medium and large companies					
500-999	-	68	42	19	7
1,000-4,999	-	240	159	51	30
5,000-9,999	-	141	97	29	14
10,000-24,999	-	201	143	40	19
25,000 or more	-	403	304	56	43

* = amount < 500; i = > 50% of the 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 a small business; Business R&D and Innovation Survey 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, 2013.