

TABLE 58. Foreign 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	600	425	104	71
Manufacturing industries	31–33	368	272	54	42
Food	311	11	7 i	2	2 i
Beverage and tobacco products	312	3	1	1	*
Textile, apparel, and leather products	313–16	1	*	*	*
Wood products	321	*	*	*	*
Paper	322	1	*	*	*
Printing and related support activities	323	*	*	*	*
Petroleum and coal products	324	*	*	*	*
Chemicals	325	63	37	8	17
Basic chemicals	3251	6	3	2	*
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	5	3	1	1
Pesticide, fertilizer, and other agricultural chemicals	3253	2 i	1 i	1 i	* i
Pharmaceuticals and medicines	3254	38	21	3	15
Soap, cleaning compound, and toilet preparation	3256	5	5	*	*
Paint, coating, adhesive, and other chemicals	3255, 3259	7	4	2	1
Plastics and rubber products	326	6	4	2	1
Nonmetallic mineral products	327	4	2 i	2	1
Primary metals	331	1	*	*	*
Fabricated metal products	332	3	2	1	1
Machinery	333	30	23	6	1
Agricultural implement	33311	5	4	1	*
Semiconductor machinery	333295	4	3	1	*
Engine, turbine, and power transmission equipment	3336	4	3	1 i	*
Other machinery	other 333	18	14	3	1
Computer and electronic products	334	140	113	14	12
Communications equipment	3342	30	25	3	1
Semiconductor and other electronic components	3344	74	59 i	7 i	8
Navigational, measuring, electromedical, and control instruments	3345	20	16 i	3 i	1 i
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	1	1 i	* i	* i
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument	334511	3	2	*	*
Other measuring and controlling device	other 3345	16	12 i	2 i	1 i
Other computer and electronic products	other 334	16	12	2	2
Electrical equipment, appliances, and components	335	24	16	7 i	1
Transportation equipment	336	58	50	5	3
Automobiles, bodies, trailers, and parts	3361, 3362, 3363	36	31	4	2
Aerospace products and parts	3364	22	19	1	1
Aircraft, aircraft engine, and aircraft parts	336411–13	22	19	1	1

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Guided missile, space vehicle, and related parts	336414-15, 336419	*	*	*	0
Military armored vehicle, tank, and tank components	336992	0	0	0	0
Other transportation	other 336	1	* i	* i	* i
Furniture and related products	337	*	*	*	*
Miscellaneous manufacturing	339	22	15	5 i	2 i
Medical equipment and supplies	3391	18	12	4 i	2 i
Other miscellaneous manufacturing	3399	4 i	3 i	1	*
Nonmanufacturing industries	21-23, 42-81	231	152	50	29
Mining, extraction, and support activities	21	3	2	*	* i
Utilities	22	* i	* i	* i	* i
Wholesale trade	42	3	1 i	1 i	1 i
Electronic shopping and electronic auctions	454111-12	3	0	3 i	0
Transportation and warehousing	48-49	*	*	0	* i
Information	51	129	95	12	21
Publishing	511	113	85	8	20
Newspaper, periodical, book, and directory publishers	5111	4 i	3 i	* i	1 i
Software publishers	5112	109	81	8	19
Telecommunications	517	1	* i	* i	*
Data processing, hosting, and related services	518	9	5	2 i	1
Other information	other 51	6	5	1	*
Finance and insurance	52	4	1	3	*
Real estate and rental and leasing	53	*	*	*	*
Lessors of nonfinancial intangible assets (except copyrighted works)	533	*	*	0	*
Other real estate and rental and leasing	other 53	*	*	*	0
Professional, scientific, and technical services	54	87	52 i	28 i	6 i
Architectural, engineering, and related services	5413	2 i	2 i	* i	* i
Computer systems design and related services	5415	38	31 i	5 i	2 i
Scientific research and development services	5417	34	11	20	3 i
Biotechnology research and development	541711	9	8	1	* i
Physical, engineering, and life sciences (except biotechnology) research and development	541712	25	3 i	19	3 i
Social sciences and humanities research and development	541720	*	* i	* i	* i
Other professional, scientific, and technical services	other 54	13 i	8 i	3 i	2 i
Health care services	621-23	* i	* i	*	* i
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72,	81	2	1	* i
All companies (number of domestic employees)	-	600	425	104	71
Small companies ^a	-	64	45 i	13	6 i
5-499	-	64	45 i	13	6 i

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5-99	-	30	22 i	6 i	3 i
5-49	-	22	17 i	3 i	2 i
5-9	-	2	1 i	* i	* i
10-24	-	12	10 i	1 i	1 i
25-49	-	8	6 i	1 i	1 i
50-99	-	8	4	3 i	1 i
100-249	-	16	11	4	1 i
250-499	-	18	12	4	2
Medium and large companies					
500-999	-	17	13	3	1
1,000-4,999	-	124	88	23	12
5,000-9,999	-	113	70	30	13
10,000-24,999	-	68	45	15 i	8
25,000 or more	-	215	165	20	31

* = 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.