

TABLE 52. Foreign R&D employment, by occupation, industry, and company size: 2014

(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	653	475	114	64
Manufacturing industries	31–33	403	309	55	40
Food	311	11	7 i	3	2 i
Beverages and tobacco products	312	3	1	1	*
Textiles, apparel, and leather products	313–16	1	*	*	* i
Wood products	321	* i	* i	* i	* i
Paper	322	1	1	* i	*
Printing and related support activities	323	*	* i	*	0
Petroleum and coal products	324	1	*	*	*
Chemicals	325	61	40	9	12
Basic chemicals	3251	7	4	2	1
Resins, synthetic rubber, and artificial synthetic fibers and filaments	3252	5	4	1	1
Pesticides, fertilizers, and other agricultural chemicals	3253	2 i	1 i	1 i	* i
Pharmaceuticals and medicines	3254	36	23	3	10
Soaps, cleaning compounds, and toilet preparations	3256	5	5	*	*
Paints, coatings, adhesives, and other chemicals	3255, 3259	6	4	2	1
Plastics and rubber products	326	6	4	1	1
Nonmetallic mineral products	327	2	1 i	1 i	* i
Primary metals	331	1	*	*	*
Fabricated metal products	332	3	2	*	*
Machinery	333	28	23	3	2
Agricultural implements	33311	5	4	1	*
Semiconductor machinery	333295	4	3	* i	*
Engines, turbines, and power transmission equipment	3336	6	5	*	1
Other machinery	other 333	13	11	2 i	1 i
Computer and electronic products	334	172	139 i	18 i	15 i
Communications equipment	3342	35	30	3	2
Semiconductors and other electronic components	3344	74	64 i	6 i	4 i
Navigational, measuring, electromedical, and control instruments	3345	27	19 i	6 i	2 i
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	6	4 i	2 i	1 i
Search, detection, navigation, guidance, aeronautical, and nautical systems and instruments	334511	3	2	*	*
Other measuring and controlling devices	other 3345	17	13 i	3	1 i
Other computer and electronic products	other 334	36	26 i	4 i	6 i
Electrical equipment, appliances, and components	335	21	15	5 i	1
Transportation equipment	336	72	60	7	5
Automobiles, bodies, trailers, and parts	3361, 3362, 3363	47	39	5	3
Aerospace products and parts	3364	23	20	2	1
Aircraft, aircraft engines, and aircraft parts	336411–13	23	20	2	1

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Guided missiles, space vehicles, and related parts	336414-15, 336419	*	*	*	*
Military armored vehicles, tanks, and tank components	336992	* i	* i	* i	0
Other transportation	other 336	1	1	*	* i
Furniture and related products	337	*	*	*	*
Miscellaneous manufacturing	339	21	15	4	2
Medical equipment and supplies	3391	14	10	3	1
Other miscellaneous manufacturing	3399	6	5	1	*
Nonmanufacturing industries	21-23, 42-81	250	166	59	24
Mining, extraction, and support activities	21	3	2	* i	1
Utilities	22	*	*	*	*
Wholesale trade	42	*	* i	D	D
Electronic shopping and electronic auctions	454111-12	D	1	D	D
Transportation and warehousing	48-49	*	*	0	0
Information	51	142	107	21	15
Publishing	511	113	90	10	13
Newspaper, periodical, book, and directory publishers	5111	* i	* i	* i	* i
Software publishers	5112	113	90	10	13
Telecommunications	517	1	1	*	* i
Data processing, hosting, and related services	518	17	9	7	1
Other information	other 51	11	8	3	*
Finance and insurance	52	4	*	3	1
Real estate and rental and leasing	53	*	*	0	*
Lessors of nonfinancial intangible assets (except copyrighted works)	533	*	*	0	*
Other real estate and rental and leasing	other 53	*	*	0	0
Professional, scientific, and technical services	54	95	55 i	34 i	6 i
Architectural, engineering, and related services	5413	7	7	*	* i
Computer systems design and related services	5415	36	24 i	11 i	1 i
Scientific R&D services	5417	40	18	20	3
Biotechnology R&D	541711	9	8	1	* i
Physical, engineering, and life sciences (except biotechnology) R&D	541712	31	10	19	3
Social sciences and humanities R&D	541720	*	* i	* i	* i
Other professional, scientific, and technical services	other 54	12 i	7 i	3 i	2 i
Health care services	621-23	*	* i	* i	0
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	D	* i	D	* i

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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 companies (number of domestic employees)	-	653	475	114	64
Small companies ^a					
5-499	-	67	48	14 i	5 i
5-99	-	32	21 i	8 i	3 i
5-49	-	21	15 i	4 i	2 i
5-9	-	6	4 i	1 i	1 i
10-24	-	7	5 i	1 i	1 i
25-49	-	9	6 i	2 i	* i
50-99	-	10	6 i	4 i	1
100-249	-	19	16	3	1 i
250-499	-	16	11	3	1
Medium and large companies					
500-999	-	27	17	8	1
1,000-4,999	-	133	100	22	11
5,000-9,999	-	110	69	31	10
10,000-24,999	-	82	55	17	10
25,000 or more	-	235	186	22	26

* = amount < 500; D = data withheld to avoid disclosing operations of individual companies; i = > 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = 2012 North American Industry Classification System.

^a Upper bound is based on the U.S. Small Business Administration's definition of a small business; the 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 is based on the dominant business code for domestic R&D performance, where available. For companies that did not report business codes, the 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, 2014.