

TABLE 56

## Domestic temporary R&amp;D employment, by activity, industry, and company size: 2021

(Thousands)

Industry and company size	NAICS code	Total	Researchers <sup>a</sup>	R&D technicians and equivalent staff	Other R&D supporting staff				
All industries	21-23, 31-33, 42-81	295	i	174	i	86	i	35	i
Manufacturing industries	31-33	113	i	75	i	22	i	16	i
Food	311	2	i	1	i	1	i	1	
Beverage and tobacco products	312	*		*		*		*	
Textile, apparel, and leather products	313-16	*	i	*	i	*		*	i
Wood products	321	*	r	*	r	*	r	0	
Paper	322	*	i	*	i	*	i	*	i
Printing and related support activities	323	*	i	*	i	*	i	*	i
Petroleum and coal products	324	*		*	i	*	i	*	i
Chemicals	325	49	i	35	i	6	i	8	i
Basic chemicals	3251	1	i	*	i	*	i	*	i
Resin, synthetic rubber, and artificial synthetic fibers and filaments	3252	*	i	*	i	*	i	*	
Pesticide, fertilizer, and other agricultural chemicals	3253	*		*	i	*	i	*	i
Pharmaceuticals and medicines	3254	46	i	33	i	5	i	7	i
Soap, cleaning compound, and toilet preparations	3256	2	i	1	i	1	i	1	i
Paint, coating, adhesive, and other chemicals	3255, 3259	*		*	i	*		*	i
Plastics and rubber products	326	1	i	*	i	*	i	*	i
Nonmetallic mineral products	327	4	i	1	i	2	i	1	i
Primary metals	331	*	i	*	i	*		*	i
Fabricated metal products	332	3	i	1	i	1	i	*	i
Machinery	333	10	i	8	i	1	i	1	i
Agricultural implement	33311	*		*		*	i	*	i
Semiconductor machinery	333242	*	i	*	i	*		*	i
Engine, turbine, and power transmission equipment	3336	*		*		*		*	
Other machinery	other 333	10	i	8	i	1	i	1	i
Computer and electronic products	334	16	i	10	i	4	i	2	i
Communications equipment	3342	4	i	3	i	*	i	*	i
Semiconductor and other electronic components	3344	7	i	4	i	2	i	1	i
Navigational, measuring, electromedical, and control instruments	3345	3	i	2	i	*	i	*	i
Electromedical, electrotherapeutic, and irradiation apparatus	334510, 334517	*	i	*	i	*	i	*	i
Search, detection, navigation, guidance, aeronautical, and nautical system and instruments	334511	1	i	1	i	*		*	i
Other measuring and controlling devices	other 3345	1	i	1	i	*	i	*	i
Other computer and electronic products	other 334	3	i	1	i	1	i	*	i

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Electrical equipment, appliances, and components	335	2	i	1	i	*	i	* i
Transportation equipment	336	11	i	7	i	3	i	1 i
Motor vehicles, bodies, trailers, and parts	3361-63	8	i	5	i	2	i	1 i
Aerospace products and parts	3364	2	i	2		1	i	* i
Aircraft, aircraft engine, and aircraft parts	336411-13	2	i	1		1	i	* i
Guided missile, space vehicle, and related parts	336414-15, 336419	*		*		*		*
Military armored vehicle, tank, and tank components	336992	*	i	*	i	*	i	* i
Other transportation	other 336	1	i	*	i	*	i	* i
Furniture and related products	337	*		*		*		*
Miscellaneous	339	14		8		3	i	2
Medical equipment and supplies	3391	13		8		3	i	2
Other miscellaneous manufacturing	3399	*	i	*	i	*	i	* i
Nonmanufacturing industries	21-23, 42-81	181	i	99	i	64		19 i
Mining, quarrying, oil and gas extraction, and support activities	21	*	i	*	i	*	i	* i
Utilities	22	*		*		*		*
Wholesale trade	42	2	i	1	i	*	i	1 i
Electronic shopping and electronic auctions	454111-12	52		14		33		4 i
Transportation and warehousing	48-49	1		*		*		*
Information	51	60	i	39	i	13	i	8 i
Publishing	511	21	i	10	i	6	i	5
Newspaper, periodical, book, and directory publishers	5111	*	i	*	i	*	i	0
Software publishers	5112	21	i	10	i	6	i	5
Telecommunications	517	1	i	1	i	*	i	*
Data processing, hosting, and related services	518	16	i	11	i	4	i	1 i
Other information	other 51	21	i	17	i	3	i	2 i
Finance and insurance	52	30	i	23	i	6		1
Real estate and rental and leasing	53	1	i	*		*	i	* i
Lessors of nonfinancial intangible assets (except copyrighted works)	533	*		*		0		0
Other real estate and rental and leasing	other 53	1	i	*		*	i	* i
Professional, scientific, and technical services	54	28	i	16	i	9	i	3 i
Architectural, engineering, and related services	5413	1		1		*	i	*
Computer systems design and related services	5415	13	i	8	i	4	i	1 i
Scientific research and development services	5417	10	i	5	i	4	i	1 i

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Research and development in nanotechnology	541713	* i	* i	* i	0
Research and development in biotechnology (except nanobiotechnology)	541714	3 i	2 i	1	* i
Research and development in the physical, engineering, and life sciences (except nanotechnology and biotechnology)	541715	6 i	3 i	3 i	1 i
Research and development in the social sciences and humanities	541720	1 i	1 i	*	0
Other professional, scientific, and technical services	other 54	5 i	2 i	2	1 i
Health care services	621-23	3 i	1 i	1 i	1 r
Other nonmanufacturing	23, 44-45 (excluding 454111-12), 55-56, 624, 71-72, 81	6 i	4 r	1 i	1 i
All companies (number of domestic employees)	-	295 i	174 i	86 i	35 i
Small companies					
10-19 <sup>b</sup>		3 i	2 i	1 i	* i
20-49		9 i	5 i	3 i	2 i
Medium companies					
50-99		10 i	7 i	2 i	1 i
100-249		8 i	4 i	2 i	2 i
Large companies					
250-499		12 i	7 i	3 i	2 i
500-999		11 i	5 i	4 i	1 i
1,000-4,999		28 i	16 i	8 i	5 i
5,000-9,999		35 i	19 i	9 i	6 i
10,000-24,999		54 i	36 i	9 i	9 i
25,000 or more		125 i	73 i	45	7 i

\* = amount < 500 employees; i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse; r = relative standard error is more than 50%.

NAICS = 2017 North American Industry Classification System.

<sup>a</sup> Researchers include R&D scientists and engineers and their managers.

<sup>b</sup> The Business Enterprise Research and Development Survey does not include companies with fewer than 10 domestic employees.

**Note(s):**

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 \$50,000 or more of R&D.

**Source(s):**

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2021.