

Table 4**Domestic employment, R&D employment by sex and work activity, R&D researchers by level of education, and full-time equivalent researcher employment for companies that performed or funded business R&D in the United States, by industrial sector: 2020**

(Thousands of employees)

Industry and NAICS code	Domestic employment ^a	R&D employment									
		Total	Male	Female	Researchers ^b			Technicians and equivalent staff	Other supporting staff ^c	Full-time equivalent ^d	
					Total	With PhD	i			Total	Researchers ^b
All industries, 21–33, 42–81	22,034	1,936	1,419	517	1,312	129	i	443	181	1,765	1,201
Manufacturing industries, 31–33	10,065	985	736	249	668	82		204	112	888	608
Nonmanufacturing industries, 21–23, 42–81	11,970	952	683	268	643	46	i	239	69	878	593

i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse.

NAICS = North American Industry Classification System.

^a Data recorded on 12 March represent employment figures for the year.^b Includes R&D scientists and engineers and their managers.^c Includes clerical staff and others assigned to R&D groups.^d The number of persons employed who were assigned full time to R&D, plus a prorated number of employees who worked on R&D only part of the time.**Note(s):**

Detail may not add to total because of rounding. Beginning in survey year 2018, statistics are representative of companies located in the United States that performed or funded \$50,000 or more of R&D. These changes have affected the comparability of these estimates with estimates published for years prior to 2018. Industry classification was 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. Excludes data for federally funded research and development centers. Also available in the full set of data tables are statistics on domestic R&D employment, by state; foreign R&D personnel headcounts, by country; and headcounts of leased (i.e., external) R&D personnel, by function.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Business Enterprise Research and Development Survey, 2020.