

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: 2019**

(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			Total	Researchers ^b	
All industries, 21–33, 42–81	21,213	1,832	1,344	488	1,232	130	426	174	1,677	1,147	
Manufacturing industries, 31–33	10,100	962	720	241	652	79	206	105	878	611	
Nonmanufacturing industries, 21–23, 42–81	11,113	870	624	247	580	51 ⁱ	221	69	799	536	

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 detailed statistical 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, 2019.