

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: 2022**

(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	24,092	2,110	1,501	609	1,441	143		473	196	1,941	1,316
Manufacturing industries, 31–33	10,251	1,008	723	285	690	86		205	113	925	634
Nonmanufacturing industries, 21–23, 42–81	13,840	1,102	778	324	752	56	i	267	82	1,016	682

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 Researchers includes R&D scientists and engineers and their managers.^c Other supporting staff 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. 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, 2022.