

**Table 7****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 U.S. business R&D, by selected industry: 2021**

(Thousands of employees)

Industry and NAICS code	Domestic employment <sup>a</sup>	R&D employment									
		Total	Male	Female	Researchers <sup>b</sup>		Technicians and equivalent staff	Other supporting staff <sup>c</sup>	Full-time equivalent <sup>d</sup>		
					Total	With PhD			Total	Researchers <sup>b</sup>	
All industries, 21–33, 42–81	23,654	2,132	1,536	596	1,426	130	501	205	1,941	1,311	
Manufacturing industries, 31–33	10,334	1,015	744	270	680	78	215	120	923	622	
Machinery, 333	932	100	86	14	65	4	26	9	86	57	
Semiconductor machinery, 333242	40	14	12	2	8	2	6	*	14	8	
Computer and electronic products, 334	1,058	256	199	57	207	18	28	21	247	194	
Semiconductor and other electronic components, 3344	270	93	69	24	80	9	10	4	88	76	
Nonmanufacturing industries, 21–23, 42–81	13,320	1,117	791	326	747	52	286	84	1,017	689	

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

NAICS = North American Industry Classification System.

<sup>a</sup> Data recorded on 12 March represent employment figures for the year.

<sup>b</sup> Researchers includes R&D scientists and engineers and their managers.

<sup>c</sup> Other supporting staff includes clerical staff and others assigned to R&D groups.

<sup>d</sup> 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):**

Data are for companies with 10 or more domestic employees. 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.

**Source(s):**

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