

TABLE 4-22b

**Mechanical engineering postdoctoral appointee and doctorate-holding nonfaculty researcher demographics and funding: 2021**

(Number and percent)

| Characteristic                                     | Postdoctoral appointees |         | Doctorate-holding nonfaculty researchers |         |
|--|-------------------------|---------|--|---------|
|  | Number                  | Percent | Number                                   | Percent |
| Institutions                                       | 137                     | 19.6    | 89                                       | 12.7    |
| Schools  | 141                     | 17.9    | 90                                       | 11.4    |
| Units  | 158                     | 0.7     | 102                                      | 0.5     |
| All individuals                                    | 1,200                   | 100.0   | 529                                      | 100.0   |
| Male   | 966                     | 80.5    | 425                                      | 80.3    |
| Female   | 234                     | 19.5    | 104                                      | 19.7    |
| U.S. citizens and permanent residents <sup>a</sup> | 382                     | 31.8    | na                                       | na      |
| Hispanic or Latino                                 | 22                      | 1.8     | na                                       | na      |
| Not Hispanic or Latino                             |                         |         |  |         |
| American Indian or Alaska Native                   | 0                       | 0.0     | na                                       | na      |
| Asian  | 119                     | 9.9     | na                                       | na      |
| Black or African American                          | 5                       | 0.4     | na                                       | na      |
| Native Hawaiian or Other Pacific Islander          | 0                       | 0.0     | na                                       | na      |
| White  | 193                     | 16.1    | na                                       | na      |
| More than one race                                 | 14                      | 1.2     | na                                       | na      |
| Unknown ethnicity and race                         | 29                      | 2.4     | na                                       | na      |
| Temporary visa holders                             | 818                     | 68.2    | na                                       | na      |
| Primary source of support                          |                         |         |  |         |
| Federal  | 615                     | 51.3    | na                                       | na      |
| Nonfederal <sup>b</sup>                            | 519                     | 43.3    | na                                       | na      |
| Personal resources                                 | 12                      | 1.0     | na                                       | na      |
| Unknown or not stated                              | 54                      | 4.5     | na                                       | na      |
| Primary mechanism of support                       |                         |         |  |         |
| Fellowships  | 138                     | 11.5    | na                                       | na      |
| Research grants                                    | 848                     | 70.7    | na                                       | na      |
| Traineeships                                       | 11                      | 0.9     | na                                       | na      |
| Other types of support                             | 203                     | 16.9    | na                                       | na      |
| Degree type <sup>c</sup>                           |                         |         |  |         |
| Doctoral degree                                    | 953                     | 79.4    | 424                                      | 80.2    |
| Professional degree                                | 17                      | 1.4     | 26                                       | 4.9     |
| Dual degree  | 5                       | 0.4     | 7  | 1.3     |
| Doctoral degree type unknown                       | 225                     | 18.8    | 72                                       | 13.6    |
| Degree origin                                      |                         |         |  |         |
| United States                                      | 524                     | 43.7    | na                                       | na      |
| Foreign country                                    | 226                     | 18.8    | na                                       | na      |
| Unknown  | 450                     | 37.5    | na                                       | na      |

na = not applicable; citizenship, race and ethnicity, source of support, mechanism of support, and degree origin data are not collected for doctorate-holding nonfaculty researchers.

<sup>a</sup> Ethnicity and race data are available only for U.S. citizens and permanent residents.

<sup>b</sup> Nonfederal includes foreign support.

<sup>c</sup> Doctoral degree includes PhD, ScD, DEng, etc.; professional degree includes MD, DVM, DO, DDS, etc.; dual degree includes both professional and doctoral degrees (MD-PhD, DVM-PhD, etc.).

**Note(s):**

"Field" refers to the field of the unit that reports postdoctorates and doctorate-holding nonfaculty researchers to the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS). Percentages may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see technical table A-17.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2021.