

TABLE 4-20b

**Electrical, electronics, communications and computer engineering postdoctoral appointee and doctorate-holding nonfaculty researcher demographics and funding: 2022**

(Number and percent)

Characteristic	Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	Number	Percent	Number	Percent
Institutions	131	19.0	102	14.8
Schools	133	17.2	104	13.4
Units	165	0.7	140	0.6
All individuals	1,217	100.0	734	100.0
Male	969	79.6	625	85.1
Female	248	20.4	109	14.9
U.S. citizens and permanent residents <sup>a</sup>	377	31.0	na	na
Hispanic or Latino	22	1.8	na	na
Not Hispanic or Latino				
American Indian or Alaska Native	1	0.1	na	na
Asian	114	9.4	na	na
Black or African American	15	1.2	na	na
Native Hawaiian or Other Pacific Islander	0	0.0	na	na
White	179	14.7	na	na
More than one race	12	1.0	na	na
Unknown ethnicity and race	34	2.8	na	na
Temporary visa holders	840	69.0	na	na
Primary source of support				
Federal	653	53.7	na	na
Nonfederal <sup>b</sup>	485	39.9	na	na
Personal resources	21	1.7	na	na
Unknown or not stated	58	4.8	na	na
Primary mechanism of support				
Fellowships	92	7.6	na	na
Research grants	910	74.8	na	na
Traineeships	19	1.6	na	na
Other types of support	196	16.1	na	na
Degree type <sup>c</sup>				
Doctoral degree	980	80.5	600	81.7
Professional degree	21	1.7	19	2.6
Dual degree	7	0.6	1	0.1
Doctoral degree type unknown	209	17.2	114	15.5
Degree origin				
United States	503	41.3	na	na
Foreign country	356	29.3	na	na
Unknown	358	29.4	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):**

For postdoctoral appointees and doctorate-holding nonfaculty researchers, "field" refers to the field of the unit that reports information on these groups 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, 2022.