

TABLE 4-20b

Electrical, electronics, communications and computer engineering postdoctoral appointee and doctorate-holding nonfaculty researcher demographics and funding: 2023

(Number and percent)

Characteristic	Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	Number	Percent	Number	Percent
Institutions	139	20.2	111	16.2
Schools	140	18.2	112	14.5
Units	173	0.8	152	0.7
All individuals	1,339	100.0	799	100.0
Male	1,052	78.6	664	83.1
Female	287	21.4	135	16.9
U.S. citizens and permanent residents ^a	393	29.4	na	na
Hispanic or Latino	21	1.6	na	na
Not Hispanic or Latino				
American Indian or Alaska Native	1	0.1	na	na
Asian	108	8.1	na	na
Black or African American	10	0.7	na	na
Native Hawaiian or Other Pacific Islander	0	0.0	na	na
White	185	13.8	na	na
More than one race	13	1.0	na	na
Unknown ethnicity and race	55	4.1	na	na
Temporary visa holders	946	70.6	na	na
Primary source of support				
Federal	693	51.8	na	na
Nonfederal ^b	558	41.7	na	na
Personal resources	22	1.6	na	na
Unknown or not stated	66	4.9	na	na
Primary mechanism of support				
Fellowships	83	6.2	na	na
Research grants	1,030	76.9	na	na
Traineeships	24	1.8	na	na
Other types of support	202	15.1	na	na
Degree type ^c				
Doctoral degree	1,047	78.2	649	81.2
Professional degree	11	0.8	29	3.6
Dual degree	7	0.5	1	0.1
Doctoral degree type unknown	274	20.5	120	15.0
Degree origin				
United States	527	39.4	na	na
Foreign country	371	27.7	na	na

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Characteristic	Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	Number	Percent	Number	Percent
Unknown	441	32.9	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.

^a Ethnicity and race data are available only for U.S. citizens and permanent residents.

^b Nonfederal includes foreign support.

^c 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, 2023.