

TABLE 4-20b

Electrical, electronics, communications and computer engineering postdoctoral appointee and doctorate-holding nonfaculty researcher demographics and funding: 2020

(Number and percent)

Characteristic	Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	Number	Percent	Number	Percent
Institutions	132	18.5	101	14.2
Schools	134	16.6	102	12.7
Units	160	0.8	139	0.7
All individuals	1,302	100.0	706	100.0
Male	1,085	83.3	592	83.9
Female	217	16.7	114	16.1
U.S. citizens and permanent residents ^a	360	27.6	na	na
Hispanic or Latino	22	1.7	na	na
Not Hispanic or Latino				
American Indian or Alaska Native	0	0.0	na	na
Asian	108	8.3	na	na
Black or African American	6	0.5	na	na
Native Hawaiian or Other Pacific Islander	0	0.0	na	na
White	167	12.8	na	na
More than one race	6	0.5	na	na
Unknown ethnicity and race	51	3.9	na	na
Temporary visa holders	942	72.4	na	na
Primary source of support				
Federal	739	56.8	na	na
Nonfederal ^b	464	35.6	na	na
Personal resources	26	2.0	na	na
Unknown or not stated	73	5.6	na	na
Primary mechanism of support				
Fellowships	104	8.0	na	na
Research grants	992	76.2	na	na
Traineeships	7	0.5	na	na
Other types of support	199	15.3	na	na
Degree type ^c				
Doctoral degree	1,046	80.3	606	85.8
Professional degree	8	0.6	8	1.1
Dual degree	7	0.5	1	0.1
Doctoral degree type unknown	241	18.5	91	12.9
Degree origin				
United States	477	36.6	na	na
Foreign country	372	28.6	na	na
Unknown	453	34.8	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):

"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, 2020.