

TABLE 4-22b

Mechanical 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	140	20.4	92	13.4
Schools	143	18.6	92	11.9
Units	167	0.7	111	0.5
All individuals	1,317	100.0	560	100.0
Male	1,065	80.9	466	83.2
Female	252	19.1	94	16.8
U.S. citizens and permanent residents ^a	381	28.9	na	na
Hispanic or Latino	29	2.2	na	na
Not Hispanic or Latino				
American Indian or Alaska Native	4	0.3	na	na
Asian	122	9.3	na	na
Black or African American	14	1.1	na	na
Native Hawaiian or Other Pacific Islander	0	0.0	na	na
White	169	12.8	na	na
More than one race	5	0.4	na	na
Unknown ethnicity and race	38	2.9	na	na
Temporary visa holders	936	71.1	na	na
Primary source of support				
Federal	655	49.7	na	na
Nonfederal ^b	571	43.4	na	na
Personal resources	14	1.1	na	na
Unknown or not stated	77	5.8	na	na
Primary mechanism of support				
Fellowships	96	7.3	na	na
Research grants	942	71.5	na	na
Traineeships	31	2.4	na	na
Other types of support	248	18.8	na	na
Degree type ^c				
Doctoral degree	1,032	78.4	408	72.9
Professional degree	28	2.1	14	2.5
Dual degree	2	0.2	17	3.0
Doctoral degree type unknown	255	19.4	121	21.6
Degree origin				
United States	486	36.9	na	na
Foreign country	358	27.2	na	na

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Characteristic	Postdoctoral appointees		Doctorate-holding nonfaculty researchers	
	Number	Percent	Number	Percent
Unknown	473	35.9	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.