

Table 3**Postdoc employment, by sex, citizenship status, race, and ethnicity: 2019–23**

(Number)

Characteristic	Postdoctoral appointees						Percent change	
	2019	2020	2021	2022	2023	2019–23	2022–23	
	All surveyed fields	66,247	65,681	63,328	62,750	65,850	-0.6	4.9
U.S. citizens and permanent residents ^a	29,452	29,890	29,755	27,289	27,701	-5.9	1.5	
Male	15,570	15,579	15,480	14,247	14,321	-8.0	0.5	
Female	13,882	14,311	14,275	13,042	13,380	-3.6	2.6	
Hispanic or Latino	1,924	2,027	2,142	2,192	2,352	22.2	7.3	
Not Hispanic or Latino								
American Indian or Alaska Native	69	72	80	92	111	60.9	20.7	
Asian	5,891	5,696	6,014	5,286	5,631	-4.4	6.5	
Black or African American	1,088	1,081	1,138	1,141	1,230	13.1	7.8	
Native Hawaiian or Other Pacific Islander	52	52	40	34	57	9.6	67.6	
White	16,972	17,123	16,369	15,221	14,585	-14.1	-4.2	
More than one race	519	555	687	638	694	33.7	8.8	
Unknown race and ethnicity	2,937	3,284	3,285	2,685	3,041	3.5	13.3	
Temporary visa holders	36,795	35,791	33,573	35,461	38,149	3.7	7.6	
Male	23,603	22,660	21,040	21,791	23,137	-2.0	6.2	
Female	13,192	13,131	12,533	13,670	15,012	13.8	9.8	

^a Race and ethnicity data are available for U.S. citizens and permanent residents only.**Source(s):**

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