

Table A-9. Imputation for nonresponse in totals for postdoctoral appointees, by field, demographics, and mechanism and source of support: 2024

(Number and percent)

Characteristic	Total in survey	Number imputed	Percentage imputed
All postdoctoral appointees	69,877	1,868	2.7
Science	39,702	780	2.0
Agricultural and veterinary sciences	2,177	17	0.8
Biological and biomedical sciences	20,234	638	3.2
Computer and information sciences	1,042	10	1.0
Geosciences, atmospheric, and ocean sciences	2,043	15	0.7
Mathematics and statistics	1,238	3	0.2
Multidisciplinary and interdisciplinary sciences	1,061	17	1.6
Natural resources and conservation	969	9	0.9
Physical sciences	7,570	39	0.5
Psychology	1,392	21	1.5
Social sciences	1,976	11	0.6
Engineering	9,545	152	1.6
Aerospace, aeronautical, and astronautical engineering	246	0	0.0
Biological, biomedical, and biosystems engineering	1,685	65	3.9
Chemical, petroleum, and chemical-related engineering	1,552	8	0.5
Civil, environmental, transportation and related engineering fields	1,166	18	1.5
Electrical, electronics, communications and computer engineering	1,381	10	0.7
Industrial, manufacturing, systems engineering and operations research	162	4	2.5
Mechanical engineering	1,459	20	1.4
Metallurgical, mining, materials and related engineering fields	588	4	0.7
Other engineering	1,306	23	1.8
Health	20,630	936	4.5
Clinical medicine ^a	17,919	840	4.7
Other health	2,711	96	3.5
Sex			
Male	39,230	2,343	6.0
Female	30,647	1,912	6.2
U.S. citizens and permanent residents ^b			
Hispanic or Latino	2,599	134	5.2
Not Hispanic or Latino			
American Indian or Alaska Native	123	15	12.2
Asian	5,793	350	6.0
Black or African American	1,389	134	9.6
Native Hawaiian or Other Pacific Islander	38	1	2.6
White	14,662	624	4.3
More than one race	847	33	3.9
Unknown ethnicity and race	3,680	88	2.4
Temporary visa holders	40,746	2,732	6.7
Mechanism of support			
Fellowships	6,690	680	10.2
Research grant	42,520	2,785	6.5
Traineeships	3,029	162	5.3
Other types of support	17,638	1,511	8.6
Source of support			
Federal	33,582	1,937	5.8
DOD	2,452	153	6.2
DOE	2,245	88	3.9
HHS			
NIH	19,413	1,044	5.4
Other	1,037	35	3.4
NASA	701	28	4.0

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Characteristic	Total in survey	Number imputed	Percentage imputed
NSF	3,913	325	8.3
USDA	1,166	78	6.7
Other federal	2,655	186	7.0
Domestic	9,989	565	5.7
Foreign	1,150	217	18.9
Institutional	17,603	1,251	7.1
Self-support	1,104	60	5.4
Unknown	6,449	366	5.7
Location of doctorate			
United States	24,512	1,333	5.4
Foreign country	21,647	1,387	6.4
Unknown origin	23,718	1,317	5.6

DOD = Department of Defense; DOE = Department of Energy; GSS = Survey of Graduate Students and Postdoctorates in Science and Engineering; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = Department of Agriculture.

^a Clinical medicine includes postdoctoral appointees in medical clinical sciences, clinical and medical laboratory sciences, anesthesiology, cardiology, endocrinology, gastroenterology, hematology, neurology, obstetrics and gynecology, oncology and cancer research, ophthalmology, otorhinolaryngology, pediatrics, psychiatry, public health, pulmonary disease, radiological sciences, surgery, and clinical medicine not elsewhere classified.

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

Note(s):

The percentage imputed calculated is the number imputed divided by total in survey multiplied by 100. This is a different measure than the unit imputation rate presented in table A-7. For postdoctoral appointees "field" refers to the field of the unit that reports information on these groups to the GSS. Sum of the broad fields may not add to total because of rounding. For more information on the mapping of GSS fields and codes, see table A-6.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2024.