

TABLE A-8

Imputation for nonresponse in totals for postdoctoral appointees and doctorate-holding nonfaculty researchers, by field: 2021–23

(Number and percent)

Year and field	Total in survey		Number imputed		Imputation rate (%)	
	Postdoctoral appointees	Doctorate-holding nonfaculty researchers	Postdoctoral appointees	Doctorate-holding nonfaculty researchers	Postdoctoral appointees	Doctorate-holding nonfaculty researchers
Fall 2023, all surveyed fields ^a	65,850	34,342	3,211	1,437	4.9	4.2
Science	37,982	20,600	1,040	756	2.7	3.7
Agricultural and veterinary sciences	1,993	1,238	1	6	0.1	0.5
Biological and biomedical sciences	19,520	8,589	651	354	3.3	4.1
Computer and information sciences	987	631	23	19	2.3	3.0
Geosciences, atmospheric, and ocean sciences	1,919	2,455	34	92	1.8	3.7
Mathematics and statistics	1,220	307	44	69	3.6	22.5
Multidisciplinary and interdisciplinary sciences	988	818	37	55	3.7	6.7
Natural resources and conservation	937	663	6	3	0.6	0.5
Physical sciences	7,220	3,095	150	92	2.1	3.0
Psychology	1,344	950	60	11	4.5	1.2
Social sciences	1,854	1,854	34	55	1.8	3.0
Engineering	9,051	4,575	400	366	4.4	8.0
Aerospace, aeronautical, and astronautical engineering	254	166	10	10	3.9	6.0
Biological, biomedical, and biosystems engineering	1,594	674	162	62	10.2	9.2
Chemical, petroleum, and chemical-related engineering	1,501	349	51	30	3.4	8.6
Civil, environmental, transportation and related engineering fields	1,070	654	28	65	2.6	9.9
Electrical, electronics, communications and computer engineering	1,339	799	26	33	1.9	4.1
Industrial, manufacturing, systems engineering and operations research	170	221	0	68	0.0	30.8
Mechanical engineering	1,317	560	68	35	5.2	6.3
Metallurgical, mining, materials and related engineering fields	557	249	11	2	2.0	0.8
Other engineering	1,249	903	44	61	3.5	6.8
Health	18,817	9,167	1,771	315	9.4	3.4
Clinical medicine ^b	16,393	7,798	1,599	275	9.8	3.5
Other health	2,424	1,369	172	40	7.1	2.9
Fall 2022, all surveyed fields	62,750	32,279	468	763	0.7	2.4
Science	36,673	19,423	222	350	0.6	1.8
Agricultural and veterinary sciences	1,705	1,068	8	6	0.5	0.6
Biological and biomedical sciences	19,585	8,207	129	207	0.7	2.5
Computer and information sciences	859	507	8	6	0.9	1.2
Geosciences, atmospheric, and ocean sciences	1,787	2,448	0	12	0.0	0.5
Mathematics and statistics	1,110	251	3	10	0.3	4.0
Multidisciplinary and interdisciplinary sciences	840	931	9	3	1.1	0.3
Natural resources and conservation	936	605	5	3	0.5	0.5
Physical sciences	6,877	2,894	22	63	0.3	2.2

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Psychology	1,308	786	35	0	2.7	0.0
Social sciences	1,666	1,726	3	40	0.2	2.3
Engineering	8,335	4,355	95	136	1.1	3.1
Aerospace, aeronautical, and astronautical engineering	244	153	2	5	0.8	3.3
Biological, biomedical, and biosystems engineering	1,540	685	38	47	2.5	6.9
Chemical, petroleum, and chemical-related engineering	1,239	313	5	3	0.4	1.0
Civil, environmental, transportation and related engineering fields	1,018	569	4	9	0.4	1.6
Electrical, electronics, communications and computer engineering	1,217	734	3	27	0.2	3.7
Industrial, manufacturing, systems engineering and operations research	143	197	12	30	8.4	15.2
Mechanical engineering	1,189	527	18	2	1.5	0.4
Metallurgical, mining, materials and related engineering fields	542	280	11	2	2.0	0.7
Other engineering	1,203	897	2	11	0.2	1.2
Health	17,742	8,501	151	277	0.9	3.3
Clinical medicine ^b	15,630	7,351	135	244	0.9	3.3
Other health	2,112	1,150	16	33	0.8	2.9
Fall 2021, all surveyed fields	63,328	30,548	1,947	1,431	3.1	4.7
Science	37,189	18,728	1,456	1,160	3.9	6.2
Agricultural and veterinary sciences	1,595	902	5	9	0.3	1.0
Biological and biomedical sciences	20,245	8,187	1,198	651	5.9	8.0
Computer and information sciences	880	457	20	24	2.3	5.3
Geosciences, atmospheric, and ocean sciences	1,797	2,308	26	137	1.4	5.9
Mathematics and statistics	1,112	235	6	2	0.5	0.9
Multidisciplinary and interdisciplinary sciences	878	816	13	16	1.5	2.0
Natural resources and conservation	889	620	9	18	1.0	2.9
Physical sciences	6,823	2,895	140	215	2.1	7.4
Psychology	1,325	803	31	28	2.3	3.5
Social sciences	1,645	1,505	8	60	0.5	4.0
Engineering	8,340	3,992	123	113	1.5	2.8
Aerospace, aeronautical, and astronautical engineering	277	144	1	0	0.4	0.0
Biological, biomedical, and biosystems engineering	1,616	589	52	22	3.2	3.7
Chemical, petroleum, and chemical-related engineering	1,167	307	4	10	0.3	3.3
Civil, environmental, transportation and related engineering fields	968	479	10	19	1.0	4.0
Electrical, electronics, communications and computer engineering	1,275	755	16	43	1.3	5.7
Industrial, manufacturing, systems engineering and operations research	127	107	3	7	2.4	6.5
Mechanical engineering	1,200	529	22	6	1.8	1.1

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Metallurgical, mining, materials and related engineering fields	562	259	11	2	2.0	0.8
Other engineering	1,148	823	4	4	0.3	0.5
Health	17,799	7,828	368	158	2.1	2.0
Clinical medicine ^b	15,561	6,751	285	150	1.8	2.2
Other health	2,238	1,077	83	8	3.7	0.7

^a For more information on the mapping of the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) fields and codes, see technical table A-17.

^b Clinical medicine includes postdoctoral appointees and nonfaculty researchers 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.

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 GSS. Sum of the broad fields may not add to total because of rounding.

Source(s):

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