

TABLE A-8

Imputation for nonresponse in totals for postdoctoral appointees and doctorate-holding nonfaculty researchers, by field: 2020–22

(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 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 sciences, 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
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 ^a	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

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Computer and information sciences	880	457	20	24	2.3	5.3
Geosciences, atmospheric sciences, 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
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 ^a	15,561	6,751	285	150	1.8	2.2
Other health	2,238	1,077	83	8	3.7	0.7
Fall 2020, all surveyed fields ^b	65,681	29,661	2,927	1,935	4.5	6.5
Science	38,741	18,212	2,162	1,304	5.6	7.2
Agricultural and veterinary sciences	1,678	964	81	62	4.8	6.4
Biological and biomedical sciences	21,902	8,112	1,583	667	7.2	8.2
Computer and information sciences	823	458	25	22	3.0	4.8
Geosciences, atmospheric sciences, and ocean sciences	1,790	2,150	31	102	1.7	4.7
Mathematics and statistics	1,076	201	39	11	3.6	5.5

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Multidisciplinary and interdisciplinary sciences	832	679	83	52	10.0	7.7
Natural resources and conservation	845	573	56	75	6.6	13.1
Physical sciences	6,937	2,890	149	176	2.1	6.1
Psychology	1,312	749	66	53	5.0	7.1
Social sciences	1,546	1,436	49	84	3.2	5.8
Engineering	8,462	3,921	134	288	1.6	7.3
Aerospace, aeronautical, and astronautical engineering	233	149	2	5	0.9	3.4
Biological, biomedical, and biosystems engineering	1,696	525	39	65	2.3	12.4
Chemical, petroleum, and chemical-related engineering	1,157	330	5	45	0.4	13.6
Civil, environmental, transportation and related engineering fields	1,006	488	12	29	1.2	5.9
Electrical, electronics, communications and computer engineering	1,302	706	16	36	1.2	5.1
Industrial, manufacturing, systems engineering and operations research	194	155	17	53	8.8	34.2
Mechanical engineering	1,149	469	26	16	2.3	3.4
Metallurgical, mining, materials and related engineering fields	630	299	11	15	1.7	5.0
Other engineering	1,095	800	6	24	0.5	3.0
Health	18,478	7,528	631	343	3.4	4.6
Clinical medicine ^a	16,287	6,500	522	262	3.2	4.0
Other health	2,191	1,028	109	81	5.0	7.9

^a 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.

^b For more information on the mapping of GSS fields and codes, see technical table A-17.

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). 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.