

TABLE A-5b

**Science, engineering, and health organizational units with postdoctoral appointees, by detailed field: 2021–23**

(Number)

Field	2021	2022	2023
All surveyed fields	7,624	7,962	8,176
Science	4,457	4,677	4,800
Agricultural and veterinary sciences	276	337	329
Agricultural sciences	198	220	228
Veterinary biomedical and clinical sciences	78	117	101
Biological and biomedical sciences	1,808	1,800	1,798
Biochemistry	139	138	143
Biology	188	204	214
Biomedical sciences	116	70	80
Biophysics	19	12	16
Biostatistics and bioinformatics	77	87	89
Biotechnology	18	23	20
Botany and plant biology	44	48	47
Cell, cellular biology, and anatomical sciences	118	125	116
Ecology and population biology	57	61	64
Epidemiology	43	51	54
Genetics	105	97	103
Microbiological sciences and immunology	161	173	160
Molecular biology	48	40	41
Neurobiology and neuroscience	137	140	138
Nutrition science	32	36	44
Pathology and experimental pathology	69	69	70
Pharmacology and toxicology	96	97	93
Physiology	172	174	155
Zoology and animal biology	49	43	48
Biological and biomedical sciences nec	120	112	103
Computer and information sciences	196	192	201
Artificial intelligence, informatics, and computer and information science topics	17	19	27
Computer and information sciences	49	47	55
Computer and information systems security	4	5	4
Computer science	88	83	78
Information science and studies	13	18	16
Information technology	3	3	2
Computer and information sciences nec	22	17	19
Geosciences, atmospheric, and ocean sciences	256	270	262
Atmospheric sciences and meteorology	42	47	38

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Field	2021	2022	2023
Geological and earth sciences	134	143	148
Ocean and marine sciences	53	56	56
Geosciences, atmospheric, and ocean sciences nec	27	24	20
Mathematics and statistics	186	200	211
Applied mathematics	34	36	39
Mathematics	102	114	119
Statistics	50	50	53
Multidisciplinary and interdisciplinary sciences	174	189	211
Biological and physical sciences	20	17	11
Computational science	9	11	10
Data science and data analytics	13	14	30
International and global studies	5	5	11
Multidisciplinary and interdisciplinary sciences nec	127	142	149
Natural resources and conservation	144	162	177
Environmental science and studies	49	59	71
Forestry, natural resources, and conservation	95	103	106
Physical sciences	557	593	578
Astronomy and astrophysics	67	70	73
Chemistry	220	221	227
Materials sciences	29	24	25
Physics	225	258	234
Physical sciences nec	16	20	19
Psychology	246	266	263
Applied psychology	44	42	44
Clinical psychology	20	16	17
Counseling psychology	6	8	7
Human development	35	39	43
Psychology, general	102	118	111
Research and experimental psychology	39	43	41
Social sciences	614	668	770
Agricultural and natural resource economics	22	23	31
Anthropology	57	65	81
Area, ethnic, cultural, gender, and group studies	106	120	156
Criminal justice and safety studies	9	8	12
Criminology	2	5	4
Economics (except agricultural and natural resource)	63	58	63

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(Number)

Field	2021	2022	2023
Geography and cartography	43	44	48
International relations and national security studies	18	18	19
Linguistics	29	30	26
Political science and government	49	56	64
Public policy analysis	59	64	77
Sociology	66	77	84
Urban studies and affairs	6	9	4
Social sciences, other	85	91	101
Engineering	1,090	1,152	1,200
Aerospace, aeronautical, and astronautical engineering	35	39	45
Biological, biomedical, and biosystems engineering	146	145	156
Chemical, petroleum, and chemical-related engineering	133	144	144
Chemical engineering	120	135	131
Petroleum engineering	13	9	13
Civil, environmental, transportation and related engineering fields	174	190	194
Civil engineering	154	169	168
Architectural, environmental, construction and surveying engineering	20	21	26
Electrical, electronics, communications and computer engineering	159	165	173
Electrical, electronics, and communications engineering	144	146	154
Computer engineering	15	19	19
Industrial, manufacturing, systems engineering and operations research	44	44	59
Industrial and manufacturing engineering	31	31	45
Systems engineering and operations research	13	13	14
Mechanical engineering	158	163	167
Metallurgical, mining, materials and related engineering fields	78	82	84
Other engineering	163	180	178
Agricultural engineering	19	25	22
Engineering mechanics, physics, and science	24	25	26
Nuclear engineering	12	13	11
Engineering, other	108	117	119
Health	2,077	2,133	2,176
Clinical medicine	1,713	1,730	1,746
Anesthesiology	47	46	50
Cardiology	54	60	55
Endocrinology	41	43	44
Gastroenterology	37	43	40

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**Science, engineering, and health organizational units with postdoctoral appointees, by detailed field: 2021–23**

(Number)

Field	2021	2022	2023
Hematology	27	31	28
Medical clinical sciences and clinical and medical laboratory sciences	48	31	54
Neurology	126	118	128
Obstetrics and gynecology	48	43	49
Oncology and cancer research	107	105	119
Ophthalmology	63	61	67
Otorhinolaryngology	34	35	34
Pediatrics	127	135	121
Psychiatry	88	86	83
Public health	180	185	184
Pulmonary disease	37	35	38
Radiological sciences	102	113	109
Surgery	182	189	180
Clinical medicine nec	365	371	363
Other health	364	403	430
Communication disorders sciences	31	32	32
Dental sciences	62	66	66
Kinesiology and exercise science	25	25	30
Nursing science	41	55	60
Pharmaceutical sciences	100	109	107
Other health nec	105	116	135

nec = not elsewhere classified.

**Note(s):**

For 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). This table only contains fields where graduate students may be reported. For more information on the mapping of GSS fields and codes, see technical table A-17. 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.

**Source(s):**

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