

TABLE A-5b

Science, engineering, and health organizational units with postdocs, by detailed field: 2017–19

(Number)

Field	2017	2018	2019
All surveyed fields	7,080	7,211	7,533
Science and engineering	5,057	5,156	5,338
Science	4,068	4,145	4,287
Agricultural sciences	179	187	183
Biological and biomedical sciences	1,725	1,733	1,745
Biochemistry	126	125	132
Biology	191	200	201
Biomedical sciences	59	60	61
Biophysics	13	15	18
Biostatistics and bioinformatics	82	84	79
Biotechnology	16	17	19
Botany and plant biology	46	48	49
Cell, cellular biology, and anatomical sciences	123	119	119
Ecology and population biology	62	58	52
Epidemiology	32	36	41
Genetics	94	91	93
Microbiological sciences and immunology	158	153	156
Molecular biology	34	39	41
Neurobiology and neuroscience	150	141	146
Nutrition science	32	41	44
Pathology and experimental pathology	81	81	82
Pharmacology and toxicology	108	101	98
Physiology	165	167	167
Zoology and animal biology	50	48	46
Biological and biomedical sciences nec	103	109	101
Computer and information sciences	174	163	179
Computer science	81	66	75
Computer and information sciences, general	63	57	72
Computer and information sciences nec	30	40	32
Geosciences, atmospheric sciences, and ocean sciences	251	250	266
Atmospheric sciences and meteorology	44	46	43
Geological and earth sciences	117	123	142
Ocean and marine sciences	59	53	54
Geosciences, atmospheric sciences, and ocean sciences nec	31	28	27
Mathematics and statistics	167	171	182
Mathematics and applied mathematics	132	130	140
Statistics	35	41	42
Multidisciplinary and interdisciplinary studies	187	181	177
Natural resources and conservation	120	137	148
Environmental science and studies	49	60	62
Forestry, natural resources, and conservation	71	77	86
Physical sciences	559	551	556
Astronomy and astrophysics	56	61	62
Chemistry	222	220	222
Materials sciences	31	27	31
Physics	228	225	222
Physical sciences nec	22	18	19
Psychology	202	215	214
Clinical psychology	21	19	18
Counseling and applied psychology	47	61	50
Psychology, general	105	103	110
Research and experimental psychology	29	32	36

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Field	2017	2018	2019
Social sciences	504	557	637
Agricultural economics	19	21	22
Anthropology	57	54	59
Criminal justice and safety studies	1	7	8
Economics (except agricultural)	40	43	50
Geography and cartography	34	43	41
History and philosophy of science	7	7	12
Human development	36	34	41
International relations and national security studies	10	11	21
Linguistics	20	22	22
Political science and government	44	46	56
Public policy analysis	42	59	59
Sociology	61	65	69
Social sciences nec	133	145	177
Engineering	989	1,011	1,051
Aerospace, aeronautical, and astronautical engineering	31	29	31
Agricultural engineering	20	21	18
Bioengineering and biomedical engineering	123	121	130
Biological and biosystems engineering	10	15	15
Chemical engineering	115	122	118
Civil engineering	145	146	157
Electrical, electronics, and communications engineering	154	150	169
Engineering mechanics, physics, and science	19	19	18
Industrial and manufacturing engineering	41	46	44
Mechanical engineering	140	136	145
Metallurgical and materials engineering	57	63	73
Mining engineering	10	13	10
Nanotechnology	16	19	16
Nuclear engineering	13	14	13
Petroleum engineering	10	10	14
Engineering nec	85	87	80
Health	2,023	2,055	2,195
Clinical medicine ^a	1,597	1,605	1,741
Anesthesiology	50	48	55
Cardiology	59	59	61
Endocrinology	32	37	44
Gastroenterology	31	35	41
Hematology	27	27	38
Neurology	110	114	111
Obstetrics and gynecology	52	52	53
Oncology and cancer research	123	129	133
Ophthalmology	69	69	73
Otorhinolaryngology	32	34	35
Pediatrics	88	107	129
Psychiatry	86	76	77
Public health	143	149	159
Pulmonary disease	33	30	32
Radiological sciences	90	84	103
Surgery	158	164	187
Clinical medicine nec	414	391	410
Other health	426	450	454

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(Number)

Field	2017	2018	2019
Communication disorders sciences	28	32	33
Dental sciences	52	57	55
Nursing science	38	38	46
Pharmaceutical sciences	97	101	99
Veterinary biomedical and clinical sciences	77	80	81
Other health nec	134	142	140

nec = not elsewhere classified.

^a Clinical medicine includes postdoctoral appointees in anesthesiology, cardiology, endocrinology, gastroenterology, hematology, neurology, obstetrics and gynecology, oncology and cancer research, ophthalmology, otorhinolaryngology, pediatrics, psychiatry, public health, pulmonary disease, radiology, surgery, and clinical medicine nec.

Source(s):

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