

TABLE 38. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field, sex, and citizenship: 2010

Field	Postdoctoral appointees	Sex		Citizenship	
		Male	Female	U.S. citizens and permanent residents	Temporary visa holders
All surveyed fields	63,415	39,249	24,166	29,769	33,646
Science and engineering	44,051	28,752	15,299	20,419	23,632
Science	37,095	23,223	13,872	17,761	19,334
Agricultural sciences	1,195	748	447	611	584
Biological sciences	21,537	12,185	9,352	10,188	11,349
Anatomy	437	240	197	247	190
Biochemistry	2,533	1,536	997	1,164	1,369
Biology	2,555	1,487	1,068	1,317	1,238
Biometry/epidemiology	466	232	234	233	233
Biophysics	240	167	73	105	135
Botany	603	393	210	286	317
Cell biology	2,796	1,659	1,137	1,222	1,574
Ecology	238	132	106	158	80
Entomology/parasitology	233	139	94	130	103
Genetics	1,389	778	611	688	701
Microbiology/immunology/virology	2,374	1,284	1,090	1,134	1,240
Nutrition	219	96	123	112	107
Pathology	1,797	946	851	750	1,047
Pharmacology	1,656	899	757	728	928
Physiology	1,448	808	640	685	763
Zoology	76	48	28	61	15
Biological sciences, nec	2,477	1,341	1,136	1,168	1,309
Communication ^a	60	38	22	37	23
Computer sciences	748	622	126	313	435
Earth, atmospheric, and ocean sciences	1,760	1,158	602	951	809
Atmospheric sciences	184	133	51	76	108
Geosciences	601	416	185	279	322
Oceanography	332	172	160	192	140
Earth/atmospheric/ocean sciences, nec	643	437	206	404	239
Family and consumer sciences/human sciences ^a	30	7	23	22	8
Mathematical sciences	756	587	169	391	365
Mathematics/applied mathematics	680	525	155	358	322
Statistics	76	62	14	33	43
Multidisciplinary/interdisciplinary studies ^a	765	506	259	450	315
Neuroscience ^a	818	444	374	390	428
Physical sciences	7,703	6,092	1,611	3,198	4,505
Astronomy	532	399	133	275	257
Chemistry	4,241	3,255	986	1,682	2,559
Physics	2,628	2,184	444	1,107	1,521
Physical sciences, nec	302	254	48	134	168
Psychology	1,077	492	585	765	312
Clinical psychology	123	28	95	114	9
Psychology, general	634	312	322	434	200
Psychology, nec	320	152	168	217	103
Social sciences	646	344	302	445	201
Agricultural economics	44	33	11	24	20
Anthropology (cultural/social)	83	39	44	65	18
Economics (except agricultural)	47	35	12	24	23
Geography	62	39	23	46	16
History and philosophy of science	13	6	7	7	6

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Linguistics	27	17	10	14	13
Political science	85	44	41	66	19
Sociology	81	33	48	65	16
Sociology/anthropology	0	0	0	0	0
Social sciences, nec	204	98	106	134	70
Engineering	6,956	5,529	1,427	2,658	4,298
Aerospace engineering	191	166	25	69	122
Agricultural engineering	119	81	38	37	82
Architecture ^a	10	5	5	5	5
Biomedical engineering	1,036	738	298	499	537
Chemical engineering	1,092	858	234	454	638
Civil engineering ^a	570	426	144	244	326
Electrical engineering	1,097	939	158	324	773
Engineering science	243	198	45	94	149
Industrial engineering	163	126	37	78	85
Mechanical engineering	1,009	858	151	362	647
Metallurgical/materials engineering	835	669	166	285	550
Mining engineering	6	6	0	1	5
Nuclear engineering	107	94	13	55	52
Petroleum engineering	46	32	14	12	34
Engineering, nec	432	333	99	139	293
Health	19,364	10,497	8,867	9,350	10,014
Clinical medicine	16,610	8,991	7,619	7,958	8,652
Anesthesiology	477	283	194	222	255
Cardiology	700	429	271	292	408
Endocrinology	457	229	228	185	272
Gastroenterology	320	205	115	147	173
Hematology	352	208	144	161	191
Neurology ^a	1,328	692	636	595	733
Obstetrics/gynecology	333	152	181	160	173
Oncology/cancer research	1,903	1,039	864	812	1,091
Ophthalmology	523	295	228	207	316
Otorhinolaryngology	140	84	56	67	73
Pediatrics	1,209	538	671	680	529
Preventive medicine/community health	580	235	345	389	191
Psychiatry	1,066	393	673	758	308
Pulmonary disease	287	166	121	177	110
Radiology	1,034	682	352	438	596
Surgery	1,257	825	432	555	702
Clinical medicine, nec	4,644	2,536	2,108	2,113	2,531
Other health	2,754	1,506	1,248	1,392	1,362
Dental sciences	358	184	174	153	205
Nursing	55	6	49	51	4
Pharmaceutical sciences	1,102	694	408	514	588

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Speech pathology/audiology	54	23	31	38	16
Veterinary sciences	464	228	236	288	176
Other health, nec	721	371	350	348	373

nec = not elsewhere classified.

^a In 2007, eligible fields were reclassified, newly eligible fields were added, and survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. "Communication" and "family and consumer sciences/human sciences" are newly eligible; data for these two fields are only in 2007new. "Multidisciplinary/interdisciplinary studies" is also newly eligible; data may have been reported under other fields before 2007. "Neuroscience" is reported as separate field of science in 2007new; data were reported under health field "neurology" in 2007old and previous years. "Architecture" is reported as separate field of engineering in 2007new; data were reported under "civil engineering" in 2007old and previous years. See appendix A in <http://www.nsf.gov/statistics/nsf10307/> for more detail.

NOTE: In 2010, postdoc section of survey was expanded, and significant effort was made to ensure that appropriate personnel were providing postdoc data (see appendix A for more information). Thus it is unclear how much of increase reported in 2010 represents growth in postdoctoral appointments and how much results from improved data collection. More information on changes in postdoc data will be available in forthcoming InfoBrief at <http://www.nsf.gov/statistics/gradpostdoc>.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering, 2010.