

TABLE 48. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field and origin of doctoral degree: 2011

Field	Total	United States <sup>a</sup>	Foreign country	Degree origin unknown/ not reported
All surveyed fields	62,947	22,164	17,302	23,481
Science and engineering	44,249	15,700	11,969	16,580
Science	37,485	13,383	10,478	13,624
Agricultural sciences	1,257	486	227	544
Biological sciences	21,342	7,110	6,466	7,766
Anatomy	392	82	99	211
Biochemistry	2,312	757	655	900
Biology	2,408	987	665	756
Biometry/epidemiology	521	238	111	172
Biophysics	198	103	64	31
Botany	559	109	113	337
Cell biology	2,678	826	827	1,025
Ecology	200	92	30	78
Entomology/parasitology	261	120	50	91
Genetics	1,460	507	461	492
Microbiology/immunology/virology	2,551	916	815	820
Nutrition	244	81	58	105
Pathology	1,747	525	561	661
Pharmacology	1,628	549	589	490
Physiology	1,534	546	524	464
Zoology	85	36	18	31
Biological sciences, nec	2,564	636	826	1,102
Communication <sup>b</sup>	65	35	10	20
Computer sciences	769	268	180	321
Earth, atmospheric, and ocean sciences	1,771	729	415	627
Atmospheric sciences	161	68	37	56
Geosciences	583	214	167	202
Oceanography	408	279	93	36
Earth/atmospheric/ocean sciences, nec	619	168	118	333
Family and consumer sciences/human sciences <sup>b</sup>	54	24	4	26
Mathematical sciences	805	430	133	242
Mathematics/applied mathematics	706	390	114	202
Statistics	99	40	19	40
Multidisciplinary/interdisciplinary studies <sup>b</sup>	697	231	103	363
Neuroscience <sup>b</sup>	1,362	494	395	473
Physical sciences	7,511	2,521	2,243	2,747
Astronomy	529	210	153	166
Chemistry	4,018	1,228	1,236	1,554
Physics	2,704	1,038	832	834
Physical sciences, nec	260	45	22	193
Psychology	1,079	632	207	240
Clinical psychology	93	71	4	18
Psychology, general	601	316	125	160
Psychology, nec	385	245	78	62
Social sciences	773	423	95	255
Agricultural economics	47	22	6	19
Anthropology (cultural/social)	81	40	9	32
Economics (except agricultural)	38	15	5	18
Geography	57	31	10	16
History and philosophy of science	9	3	5	1

TABLE 48. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field and origin of doctoral degree: 2011

Field	Total	United States <sup>a</sup>	Foreign country	Degree origin unknown/ not reported
Linguistics	31	22	3	6
Political science	220	118	17	85
Sociology	91	64	7	20
Sociology/anthropology	2	2	0	0
Social sciences, nec	197	106	33	58
Engineering	6,764	2,317	1,491	2,956
Aerospace engineering	195	75	38	82
Agricultural engineering	129	53	37	39
Architecture <sup>b</sup>	17	5	4	8
Biomedical engineering	1,076	360	199	517
Chemical engineering	1,137	403	238	496
Civil engineering <sup>b</sup>	551	241	99	211
Electrical engineering	1,062	334	238	490
Engineering science	233	123	97	13
Industrial engineering	121	43	16	62
Mechanical engineering	896	250	191	455
Metallurgical/materials engineering	861	257	224	380
Mining engineering	4	1	1	2
Nuclear engineering	109	42	24	43
Petroleum engineering	35	16	18	1
Engineering, nec	338	114	67	157
Health	18,698	6,464	5,333	6,901
Clinical medicine	16,279	5,617	4,736	5,926
Anesthesiology	405	93	127	185
Cardiology	702	222	268	212
Endocrinology	416	160	181	75
Gastroenterology	341	109	123	109
Hematology	339	103	77	159
Neurology <sup>b</sup>	1,044	292	311	441
Obstetrics/gynecology	327	123	89	115
Oncology/cancer research	1,875	691	626	558
Ophthalmology	466	129	223	114
Otorhinolaryngology	160	65	76	19
Pediatrics	1,434	629	408	397
Preventive medicine/community health	658	278	115	265
Psychiatry	995	515	212	268
Pulmonary disease	301	163	74	64
Radiology	987	309	317	361
Surgery	1,259	327	386	546
Clinical medicine, nec	4,570	1,409	1,123	2,038
Other health	2,419	847	597	975
Dental sciences	377	93	131	153
Nursing	78	46	7	25
Pharmaceutical sciences	1,059	344	303	412

TABLE 48. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field and origin of doctoral degree: 2011

Field	Total	United States <sup>a</sup>	Foreign country	Degree origin unknown/ not reported
Speech pathology/audiology	47	17	3	27
Veterinary sciences	444	161	105	178
Other health, nec	414	186	48	180

nec = not elsewhere classified.

<sup>a</sup> United States includes Puerto Rico and U.S. territories.

<sup>b</sup> 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. Science field "multidisciplinary/interdisciplinary studies" is also newly eligible; data may have been reported under other fields before 2007. "Neuroscience" is reported as a separate field of science in 2007new; data were reported under health field "neurology" in 2007old and previous years. "Architecture" is reported as a 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.

NOTES: In 2010, the postdoc section of the survey was expanded, and significant effort was made to ensure that appropriate personnel were providing postdoc data (see appendix A for more information). Thus, for increases in 2010 or 2011 over 2009 and prior-year data, it is unclear how much is from growth in postdoctoral appointment and how much is from improved data collection. More information on changes in postdoc data will be available in forthcoming InfoBrief at <http://www.nsf.gov/statistics/gradpostdoc/>. Origin of doctoral degree for postdocs was collected for first time in 2010, and any missing data in this item were not imputed in 2010 and 2011 because of lack of historical data. For graduate students, "field" refers to the field of the reporting unit in which the student is enrolled. For postdocs, "field" refers to the field of the unit that reports postdocs to the GSS.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering, 2011.