

TABLE 47. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field, citizenship, and doctoral degree type: 2010

Field	U.S. citizens and permanent residents					Temporary visa holders			
	Total	Doctoral degree ^a	Professional degree ^a	Dual degree ^a	Doctoral degree type	Doctoral degree ^a	Professional degree ^a	Dual degree ^a	Doctoral degree type
					unknown/not reported ^a				unknown/not reported ^a
All surveyed fields	63,415	17,430	2,481	481	9,377	22,296	1,908	805	8,637
Science and engineering	44,051	12,948	495	156	6,820	16,974	545	312	5,801
Science	37,095	11,539	470	148	5,604	13,995	517	296	4,526
Agricultural sciences	1,195	399	7	1	204	425	7	3	149
Biological sciences	21,537	6,906	418	123	2,741	8,074	458	260	2,557
Anatomy	437	120	17	3	107	97	7	7	79
Biochemistry	2,533	821	9	4	330	965	17	20	367
Biology	2,555	969	14	4	330	1,004	6	3	225
Biometry/epidemiology	466	139	18	4	72	166	9	5	53
Biophysics	240	57	0	0	48	84	0	1	50
Botany	603	172	3	0	111	207	3	0	107
Cell biology	2,796	732	14	14	462	1,153	19	58	344
Ecology	238	93	1	1	63	46	0	0	34
Entomology/parasitology	233	88	1	1	40	68	1	0	34
Genetics	1,389	459	21	31	177	452	24	29	196
Microbiology/immunology/virology	2,374	794	44	15	281	875	44	22	299
Nutrition	219	77	7	0	28	70	4	1	32
Pathology	1,797	427	97	12	214	697	92	26	232
Pharmacology	1,656	479	28	12	209	616	34	36	242
Physiology	1,448	512	30	12	131	525	43	28	167
Zoology	76	42	0	0	19	11	0	0	4
Biological sciences, nec	2,477	925	114	10	119	1,038	155	24	92
Communication ^b	60	25	0	0	12	13	3	0	7
Computer sciences	748	197	3	1	112	315	3	0	117
Earth, atmospheric, and ocean sciences	1,760	527	8	0	416	618	5	2	184
Atmospheric sciences	184	47	0	0	29	97	0	2	9
Geosciences	601	195	4	0	80	239	1	0	82
Oceanography	332	165	1	0	26	130	0	0	10
Earth/atmospheric/ocean sciences, nec	643	120	3	0	281	152	4	0	83
Family and consumer sciences/ human sciences ^b	30	14	0	0	8	5	0	0	3
Mathematical sciences	756	276	1	1	113	270	2	0	93
Mathematics/applied mathematics	680	258	1	1	98	243	2	0	77
Statistics	76	18	0	0	15	27	0	0	16
Multidisciplinary/interdisciplinary studies ^b	765	132	9	1	308	180	10	0	125
Neuroscience ^b	818	246	5	14	125	266	12	26	124
Physical sciences	7,703	1,922	9	2	1,265	3,413	12	2	1,078
Astronomy	532	154	2	0	119	206	0	0	51
Chemistry	4,241	1,006	4	1	671	1,902	10	2	645
Physics	2,628	735	3	1	368	1,244	2	0	275
Physical sciences, nec	302	27	0	0	107	61	0	0	107
Psychology	1,077	598	6	2	159	273	4	2	33
Clinical psychology	123	88	2	0	24	8	1	0	0
Psychology, general	634	316	2	1	115	170	0	2	28
Psychology, nec	320	194	2	1	20	95	3	0	5
Social sciences	646	297	4	3	141	143	1	1	56
Agricultural economics	44	13	1	0	10	17	0	0	3
Anthropology (cultural/social)	83	46	1	0	18	13	0	0	5

TABLE 47. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field, citizenship, and doctoral degree type: 2010

Field	U.S. citizens and permanent residents					Temporary visa holders			
	Total	Doctoral degree ^a	Professional degree ^a	Doctoral degree type		Doctoral degree ^a	Professional degree ^a	Dual degree ^a	Doctoral degree type unknown/not reported ^a
				Dual degree ^a	unknown/not reported ^a				
Economics (except agricultural)	47	10	0	0	14	10	0	0	13
Geography	62	29	0	0	17	14	0	1	1
History and philosophy of science	13	4	0	1	2	4	0	0	2
Linguistics	27	14	0	0	0	7	0	0	6
Political science	85	43	0	0	23	14	0	0	5
Sociology	81	44	1	0	20	11	0	0	5
Sociology/anthropology	0	0	0	0	0	0	0	0	0
Social sciences, nec	204	94	1	2	37	53	1	0	16
Engineering	6,956	1,409	25	8	1,216	2,979	28	16	1,275
Aerospace engineering	191	34	0	0	35	95	0	0	27
Agricultural engineering	119	28	3	0	6	62	0	0	20
Architecture ^b	10	2	0	0	3	5	0	0	0
Biomedical engineering	1,036	238	6	0	255	343	3	5	186
Chemical engineering	1,092	222	2	0	230	453	2	0	183
Civil engineering ^b	570	117	1	0	126	243	3	0	80
Electrical engineering	1,097	191	9	4	120	490	12	5	266
Engineering science	243	85	0	0	9	137	0	0	12
Industrial engineering	163	19	0	0	59	46	0	0	39
Mechanical engineering	1,009	191	2	2	167	468	7	4	168
Metallurgical/materials engineering	835	163	1	0	121	395	1	0	154
Mining engineering	6	1	0	0	0	1	0	0	4
Nuclear engineering	107	19	0	0	36	29	0	0	23
Petroleum engineering	46	10	0	2	0	31	0	0	3
Engineering, nec	432	89	1	0	49	181	0	2	110
Health	19,364	4,482	1,986	325	2,557	5,322	1,363	493	2,836
Clinical medicine	16,610	3,675	1,821	307	2,155	4,480	1,278	455	2,439
Anesthesiology	477	71	41	2	108	93	67	17	78
Cardiology	700	113	93	22	64	152	79	36	141
Endocrinology	457	88	52	10	35	144	39	32	57
Gastroenterology	320	36	56	5	50	75	24	9	65
Hematology	352	79	35	17	30	123	23	6	39
Neurology ^b	1,328	349	75	24	147	432	62	24	215
Obstetrics/gynecology	333	56	53	7	44	98	13	10	52
Oncology/cancer research	1,903	550	81	55	126	786	83	48	174
Ophthalmology	523	81	29	10	87	138	51	15	112
Otorhinolaryngology	140	36	9	3	19	42	14	8	9
Pediatrics	1,209	282	258	23	117	364	49	21	95
Preventive medicine/community health	580	196	43	5	145	139	9	3	40
Psychiatry	1,066	410	78	11	259	157	25	8	118
Pulmonary disease	287	49	74	5	49	40	17	8	45
Radiology	1,034	262	62	6	108	346	75	9	166
Surgery	1,257	179	200	6	170	276	198	38	190
Clinical medicine, nec	4,644	838	582	96	597	1,075	450	163	843
Other health	2,754	807	165	18	402	842	85	38	397
Dental sciences	358	73	45	7	28	118	36	22	29
Nursing	55	38	2	0	11	4	0	0	0
Pharmaceutical sciences	1,102	353	26	1	134	403	10	3	172

TABLE 47. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field, citizenship, and doctoral degree type: 2010

Field	U.S. citizens and permanent residents					Temporary visa holders			
	Total	Doctoral degree ^a	Professional degree ^a	Dual degree ^a	Doctoral degree type unknown/not reported ^a	Doctoral degree ^a	Professional degree ^a	Dual degree ^a	Doctoral degree type unknown/not reported ^a
Speech pathology/audiology	54	15	0	0	23	7	2	0	7
Veterinary sciences	464	125	54	5	104	106	12	9	49
Other health, nec	721	203	38	5	102	204	25	4	140

nec = not elsewhere classified.

^a Doctoral degree = PhD, ScD, DEng, etc.; Professional degree = MD, DVM, DO, DDS, etc.; Dual degree = both professional and doctoral degrees (MD-PhD, DVM-PhD, etc.).

^b 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 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.

NOTES: 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>. Doctoral degree type for postdocs was collected for first time in 2010, and any missing data in this item were not imputed in 2010 because of lack of historical data.

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