

TABLE 42. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field, citizenship, ethnicity, and race: 2011

Field	U.S. citizens and permanent residents <sup>a</sup>										
	Total	Not Hispanic or Latino								Unknown ethnicity/race	Temporary visa holders
		Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race			
All surveyed fields	62,947	1,294	88	5,366	979	84	16,482	209	5,737	32,708	
Science and engineering	44,249	866	65	3,384	585	52	11,399	159	4,174	23,565	
Science	37,485	769	61	2,803	510	45	10,267	135	3,365	19,530	
Agricultural sciences	1,257	32	5	108	22	1	386	2	99	602	
Biological sciences	21,342	448	32	1,796	294	31	5,498	58	1,874	11,311	
Anatomy	392	10	0	42	0	0	99	0	49	192	
Biochemistry	2,312	29	2	216	21	7	544	2	185	1,306	
Biology	2,408	54	1	188	28	2	741	13	209	1,172	
Biometry/epidemiology	521	17	1	41	24	2	128	5	55	248	
Biophysics	198	0	0	14	0	1	52	1	8	122	
Botany	559	9	2	55	2	0	104	1	95	291	
Cell biology	2,678	42	2	182	16	2	580	2	356	1,496	
Ecology	200	7	2	13	1	0	99	2	12	64	
Entomology/parasitology	261	4	0	22	2	0	104	0	5	124	
Genetics	1,460	25	2	103	20	5	368	5	185	747	
Microbiology/immunology/virology	2,551	69	7	176	32	4	710	6	212	1,335	
Nutrition	244	7	0	20	7	0	65	1	35	109	
Pathology	1,747	34	5	176	29	4	381	9	136	973	
Pharmacology	1,628	36	0	148	29	3	387	3	122	900	
Physiology	1,534	38	3	146	33	0	452	0	47	815	
Zoology	85	1	0	6	0	0	47	0	13	18	
Biological sciences, nec	2,564	66	5	248	50	1	637	8	150	1,399	
Communication <sup>b</sup>	65	2	0	4	2	0	18	1	10	28	
Computer sciences	769	11	1	57	10	2	177	3	78	430	
Earth, atmospheric, and ocean sciences	1,771	37	3	120	10	1	672	22	120	786	
Atmospheric sciences	161	3	0	15	1	0	45	1	11	85	
Geosciences	583	13	0	28	1	0	188	5	27	321	
Oceanography	408	7	3	27	1	0	182	15	24	149	
Earth/atmospheric/ocean sciences, nec	619	14	0	50	7	1	257	1	58	231	
Family and consumer sciences/human sciences <sup>b</sup>	54	1	0	2	4	0	32	0	4	11	
Mathematical sciences	805	15	0	36	9	0	247	4	85	409	
Mathematics/applied mathematics	706	12	0	32	7	0	234	3	69	349	
Statistics	99	3	0	4	2	0	13	1	16	60	
Multidisciplinary/interdisciplinary studies <sup>b</sup>	697	15	4	43	19	0	262	0	43	311	
Neuroscience <sup>b</sup>	1,362	31	1	71	9	3	389	3	167	688	
Physical sciences	7,511	97	7	478	78	6	1,745	36	676	4,388	
Astronomy	529	4	0	20	1	0	184	3	65	252	
Chemistry	4,018	58	4	271	56	3	772	14	363	2,477	
Physics	2,704	33	2	177	16	2	673	19	244	1,538	

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Physical sciences, nec	260	2	1	10	5	1	116	0	4	121	
Psychology	1,079	34	1	47	19	1	529	1	120	327	
Clinical psychology	93	7	0	2	6	1	63	0	4	10	
Psychology, general	601	16	0	29	6	0	255	0	83	212	
Psychology, nec	385	11	1	16	7	0	211	1	33	105	
Social sciences	773	46	7	41	34	0	312	5	89	239	
Agricultural economics	47	2	0	1	1	0	12	1	6	24	
Anthropology (cultural/social)	81	7	1	4	2	0	37	1	9	20	
Economics (except agricultural)	38	0	0	1	1	0	6	0	9	21	
Geography	57	3	1	2	0	0	26	0	5	20	
History and philosophy of science	9	0	0	0	0	0	2	0	4	3	
Linguistics	31	0	0	1	2	0	16	0	4	8	
Political science	220	17	1	16	14	0	88	1	24	59	
Sociology	91	5	2	4	5	0	50	1	7	17	
Sociology/anthropology	2	0	0	0	0	0	0	0	2	0	
Social sciences, nec	197	12	2	12	9	0	75	1	19	67	
Engineering	6,764	97	4	581	75	7	1,132	24	809	4,035	
Aerospace engineering	195	1	0	13	1	0	24	0	22	134	
Agricultural engineering	129	1	0	17	4	2	18	0	10	77	
Architecture <sup>b</sup>	17	0	0	3	0	0	4	0	1	9	
Biomedical engineering	1,076	18	2	138	22	1	217	0	167	511	
Chemical engineering	1,137	18	0	92	10	3	203	6	130	675	
Civil engineering <sup>b</sup>	551	8	1	28	3	0	102	4	80	325	
Electrical engineering	1,062	9	0	77	11	0	148	3	134	680	
Engineering science	233	6	0	15	1	0	54	1	8	148	
Industrial engineering	121	3	0	6	3	0	34	0	10	65	
Mechanical engineering	896	10	0	72	4	0	130	4	121	555	
Metallurgical/materials engineering	861	16	1	66	10	0	122	5	67	574	
Mining engineering	4	0	0	0	0	0	2	0	0	2	
Nuclear engineering	109	1	0	8	3	1	21	0	14	61	
Petroleum engineering	35	3	0	3	0	0	2	1	1	25	
Engineering, nec	338	3	0	43	3	0	51	0	44	194	
Health	18,698	428	23	1,982	394	32	5,083	50	1,563	9,143	
Clinical medicine	16,279	368	19	1,730	347	26	4,396	39	1,416	7,938	
Anesthesiology	405	3	1	56	7	0	94	1	28	215	
Cardiology	702	19	1	59	14	2	178	1	45	383	
Endocrinology	416	13	0	30	10	1	108	0	21	233	
Gastroenterology	341	2	0	26	10	1	70	0	55	177	
Hematology	339	7	0	22	6	0	69	1	104	130	
Neurology <sup>b</sup>	1,044	25	4	117	18	2	281	0	85	512	
Obstetrics/gynecology	327	5	1	30	6	1	119	1	12	152	

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Oncology/cancer research	1,875	42	1	187	25	1	407	4	130	1,078	
Ophthalmology	466	14	0	41	3	0	79	1	44	284	
Otorhinolaryngology	160	5	0	12	4	0	39	1	5	94	
Pediatrics	1,434	29	3	138	36	3	421	6	86	712	
Preventive medicine/community health	658	25	3	46	33	6	191	2	129	223	
Psychiatry	995	29	2	72	38	2	422	3	131	296	
Pulmonary disease	301	4	0	27	7	0	135	0	32	96	
Radiology	987	15	1	128	9	1	249	1	30	553	
Surgery	1,259	24	0	130	23	0	322	4	84	672	
Clinical medicine, nec	4,570	107	2	609	98	6	1,212	13	395	2,128	
Other health	2,419	60	4	252	47	6	687	11	147	1,205	
Dental sciences	377	0	0	41	7	3	68	1	39	218	
Nursing	78	3	1	6	11	0	44	1	2	10	
Pharmaceutical sciences	1,059	21	2	126	19	3	251	5	47	585	
Speech pathology/audiology	47	6	0	4	0	0	22	2	3	10	
Veterinary sciences	444	20	1	39	3	0	174	0	36	171	
Other health, nec	414	10	0	36	7	0	128	2	20	211	

nec = not elsewhere classified.

<sup>a</sup> Ethnicity and race data available only for U.S. citizens and permanent residents.

<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. Science fields "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/>. Ethnicity and race of postdocs were 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.