

TABLE 42. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2010

Field	U.S. citizens and permanent residents										
	Total	Not Hispanic or Latino							More than one race <sup>a</sup>	Unknown ethnicity/race	Temporary visa holders
		Hispanic or Latino	American Indian or Alaska Native	Asian <sup>a</sup>	Black or African American	Native Hawaiian or Other Pacific Islander <sup>a</sup>	White				
All surveyed fields	63,415	1,160	93	5,174	898	92	15,689	140	6,523	33,646	
Science and engineering	44,051	763	59	3,371	529	51	11,084	79	4,483	23,632	
Science	37,095	700	55	2,784	465	44	9,906	68	3,739	19,334	
Agricultural sciences	1,195	24	4	116	22	0	375	0	70	584	
Biological sciences	21,537	444	25	1,850	298	29	5,426	42	2,074	11,349	
Anatomy	437	7	0	50	4	0	107	4	75	190	
Biochemistry	2,533	47	3	254	27	6	577	2	248	1,369	
Biology	2,555	60	3	187	27	1	795	7	237	1,238	
Biometry/epidemiology	466	6	0	40	25	2	139	2	19	233	
Biophysics	240	1	0	14	2	0	75	0	13	135	
Botany	603	25	2	57	1	0	111	0	90	317	
Cell biology	2,796	44	3	170	21	3	573	8	400	1,574	
Ecology	238	12	1	7	1	0	93	1	43	80	
Entomology/parasitology	233	7	0	22	2	0	85	0	14	103	
Genetics	1,389	22	0	130	15	6	338	1	176	701	
Microbiology/immunology/virology	2,374	51	5	176	39	3	637	8	215	1,240	
Nutrition	219	5	0	23	8	0	68	1	7	107	
Pathology	1,797	25	0	157	27	2	354	5	180	1,047	
Pharmacology	1,656	32	4	140	25	4	379	1	143	928	
Physiology	1,448	38	3	131	29	0	419	2	63	763	
Zoology	76	1	0	5	0	0	50	0	5	15	
Biological sciences, nec	2,477	61	1	287	45	2	626	0	146	1,309	
Communication <sup>b</sup>	60	2	0	1	2	0	25	0	7	23	
Computer sciences	748	8	2	50	5	0	171	0	77	435	
Earth, atmospheric, and ocean sciences	1,760	28	6	75	9	0	635	4	194	809	
Atmospheric sciences	184	2	0	12	0	0	48	1	13	108	
Geosciences	601	6	0	21	4	0	217	0	31	322	
Oceanography	332	8	6	15	2	0	137	2	22	140	
Earth/atmospheric/ocean sciences, nec	643	12	0	27	3	0	233	1	128	239	
Family and consumer sciences/human sciences <sup>b</sup>	30	0	0	3	2	0	17	0	0	8	
Mathematical sciences	756	9	1	30	3	0	261	3	84	365	
Mathematics/applied mathematics	680	9	1	28	3	0	244	3	70	322	
Statistics	76	0	0	2	0	0	17	0	14	43	
Multidisciplinary/interdisciplinary studies <sup>b</sup>	765	17	0	45	6	0	279	2	101	315	
Neuroscience <sup>b</sup>	818	12	3	61	12	1	218	3	80	428	

TABLE 42. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2010

Field	U.S. citizens and permanent residents										
	Total	Not Hispanic or Latino						White	More than one race <sup>a</sup>	Unknown ethnicity/race	Temporary visa holders
		Hispanic or Latino	American Indian or Alaska Native	Asian <sup>a</sup>	Black or African American	Native Hawaiian or Other Pacific Islander <sup>a</sup>					
Physical sciences	7,703	92	11	468	53	12	1,723	7	832	4,505	
Astronomy	532	3	0	19	0	10	174	0	69	257	
Chemistry	4,241	59	8	297	42	2	808	2	464	2,559	
Physics	2,628	29	3	143	6	0	649	5	272	1,521	
Physical sciences, nec	302	1	0	9	5	0	92	0	27	168	
Psychology	1,077	37	1	46	24	2	501	4	150	312	
Clinical psychology	123	13	0	5	8	0	67	0	21	9	
Psychology, general	634	19	0	23	13	1	275	2	101	200	
Psychology, nec	320	5	1	18	3	1	159	2	28	103	
Social sciences	646	27	2	39	29	0	275	3	70	201	
Agricultural economics	44	1	0	4	2	0	10	0	7	20	
Anthropology (cultural/social)	83	2	0	5	0	0	43	2	13	18	
Economics (except agricultural)	47	0	0	2	0	0	13	0	9	23	
Geography	62	1	1	5	0	0	28	0	11	16	
History and philosophy of science	13	1	0	0	0	0	6	0	0	6	
Linguistics	27	1	0	1	2	0	10	0	0	13	
Political science	85	3	1	5	6	0	42	0	9	19	
Sociology	81	2	0	2	3	0	51	0	7	16	
Sociology/anthropology	0	0	0	0	0	0	0	0	0	0	
Social sciences, nec	204	16	0	15	16	0	72	1	14	70	
Engineering	6,956	63	4	587	64	7	1,178	11	744	4,298	
Aerospace engineering	191	2	0	15	1	0	30	0	21	122	
Agricultural engineering	119	4	0	17	3	0	13	0	0	82	
Architecture <sup>b</sup>	10	0	0	0	1	0	2	0	2	5	
Biomedical engineering	1,036	12	1	107	24	1	181	1	172	537	
Chemical engineering	1,092	12	0	91	6	2	186	0	157	638	
Civil engineering <sup>b</sup>	570	8	2	45	3	0	114	2	70	326	
Electrical engineering	1,097	4	1	90	8	2	147	1	71	773	
Engineering science	243	3	0	20	2	0	65	1	3	149	
Industrial engineering	163	1	0	9	4	0	43	1	20	85	
Mechanical engineering	1,009	7	0	92	4	0	157	0	102	647	
Metallurgical/materials engineering	835	5	0	66	3	2	137	4	68	550	
Mining engineering	6	0	0	0	0	0	1	0	0	5	
Nuclear engineering	107	0	0	6	1	0	30	1	17	52	
Petroleum engineering	46	1	0	4	0	0	4	0	3	34	
Engineering, nec	432	4	0	25	4	0	68	0	38	293	

TABLE 42. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2010

Field	Total	U.S. citizens and permanent residents									
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		Hispanic or Latino	American Indian or Alaska Native	Asian <sup>a</sup>	Black or African American	Native Hawaiian or Other Pacific Islander <sup>a</sup>	White				
Health	19,364	397	34	1,803	369	41	4,605	61	2,040	10,014	
Clinical medicine	16,610	317	25	1,540	319	38	3,841	58	1,820	8,652	
Anesthesiology	477	6	2	31	3	0	77	0	103	255	
Cardiology	700	12	0	50	12	1	160	4	53	408	
Endocrinology	457	13	0	26	11	0	94	0	41	272	
Gastroenterology	320	3	0	35	8	0	78	0	23	173	
Hematology	352	5	0	27	3	0	63	1	62	191	
Neurology <sup>b</sup>	1,328	23	3	113	15	2	306	4	129	733	
Obstetrics/gynecology	333	2	0	27	4	1	85	1	40	173	
Oncology/cancer research	1,903	27	1	241	31	2	378	4	128	1,091	
Ophthalmology	523	15	0	38	2	0	70	2	80	316	
Otorhinolaryngology	140	4	0	14	2	0	37	1	9	73	
Pediatrics	1,209	30	4	132	36	1	364	7	106	529	
Preventive medicine/community health	580	21	5	47	32	5	174	5	100	191	
Psychiatry	1,066	37	2	52	34	2	375	5	251	308	
Pulmonary disease	287	3	0	26	6	0	104	2	36	110	
Radiology	1,034	11	1	113	11	1	231	3	67	596	
Surgery	1,257	24	1	108	23	0	302	5	92	702	
Clinical medicine, nec	4,644	81	6	460	86	23	943	14	500	2,531	
Other health	2,754	80	9	263	50	3	764	3	220	1,362	
Dental sciences	358	6	1	46	3	1	59	0	37	205	
Nursing	55	3	0	4	8	0	34	1	1	4	
Pharmaceutical sciences	1,102	22	5	120	12	0	293	1	61	588	
Speech pathology/audiology	54	2	0	3	2	0	19	0	12	16	
Veterinary sciences	464	20	1	58	4	2	187	1	15	176	
Other health, nec	721	27	2	32	21	0	172	0	94	373	

nec = not elsewhere classified.

<sup>a</sup> Reporting of ethnicity and race in 2008–10 has been affected by changes in reporting of ethnicity and race in Integrated Postsecondary Education Data System (IPEDS). Starting in 2008 IPEDS respondents were asked to use new classification that included category for two or more races (see <http://nces.ed.gov/ipeds/reic/resource.asp>) and separate reporting of Native Hawaiians and Other Pacific Islanders from Asians. New classification was optional in 2008 and 2009 IPEDS but mandatory in 2010 and may have contributed to significant increase in reporting of "Not Hispanic or Latino, More than one race."

<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 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>. Ethnicity and race of postdocs were 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.