



TABLE 34. Postdoctoral appointees in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2004–10

Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010 <sup>b</sup>
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	29
White	na	na	na	na	na	na	na	5,426
More than one race <sup>c</sup>	na	na	na	na	na	na	na	42
Unknown ethnicity/race	na	na	na	na	na	na	na	2,074
Temporary visa holders	10,908	11,008	10,982	11,042	10,935	11,212	11,011	11,349
Communication <sup>a</sup>	ne	ne	ne	ne	30	32	38	60
U.S. citizens and permanent residents	ne	ne	ne	ne	17	20	28	37
Hispanic or Latino	na	na	na	na	na	na	na	2
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	0
Asian <sup>c</sup>	na	na	na	na	na	na	na	1
Black or African American	na	na	na	na	na	na	na	2
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	25
More than one race <sup>c</sup>	na	na	na	na	na	na	na	0
Unknown ethnicity/race	na	na	na	na	na	na	na	7
Temporary visa holders	ne	ne	ne	ne	13	12	10	23
Computer sciences	384	406	467	516	456	493	594	748
U.S. citizens and permanent residents	162	164	168	191	166	195	272	313
Hispanic or Latino	na	na	na	na	na	na	na	8
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	2
Asian <sup>c</sup>	na	na	na	na	na	na	na	50
Black or African American	na	na	na	na	na	na	na	5
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	171
More than one race <sup>c</sup>	na	na	na	na	na	na	na	0
Unknown ethnicity/race	na	na	na	na	na	na	na	77
Temporary visa holders	222	242	299	325	290	298	322	435
Earth, atmospheric, and ocean sciences	1,263	1,364	1,495	1,322	1,250	1,339	1,424	1,760
U.S. citizens and permanent residents	695	739	735	671	612	643	714	951
Hispanic or Latino	na	na	na	na	na	na	na	28
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	6
Asian <sup>c</sup>	na	na	na	na	na	na	na	75
Black or African American	na	na	na	na	na	na	na	9
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	635
More than one race <sup>c</sup>	na	na	na	na	na	na	na	4
Unknown ethnicity/race	na	na	na	na	na	na	na	194
Temporary visa holders	568	625	760	651	638	696	710	809
Family and consumer sciences/human sciences <sup>a</sup>	ne	ne	ne	ne	8	19	22	30
U.S. citizens and permanent residents	ne	ne	ne	ne	4	15	15	22
Hispanic or Latino	na	na	na	na	na	na	na	0
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	0
Asian <sup>c</sup>	na	na	na	na	na	na	na	3
Black or African American	na	na	na	na	na	na	na	2
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	17
More than one race <sup>c</sup>	na	na	na	na	na	na	na	0
Unknown ethnicity/race	na	na	na	na	na	na	na	0
Temporary visa holders	ne	ne	ne	ne	4	4	7	8



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Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010 <sup>b</sup>
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	2
White	na	na	na	na	na	na	na	501
More than one race <sup>c</sup>	na	na	na	na	na	na	na	4
Unknown ethnicity/race	na	na	na	na	na	na	na	150
Temporary visa holders	276	299	270	366	355	324	327	312
Social sciences	365	371	394	495	483	508	561	646
U.S. citizens and permanent residents	247	258	238	340	333	329	365	445
Hispanic or Latino	na	na	na	na	na	na	na	27
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	2
Asian <sup>c</sup>	na	na	na	na	na	na	na	39
Black or African American	na	na	na	na	na	na	na	29
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	275
More than one race <sup>c</sup>	na	na	na	na	na	na	na	3
Unknown ethnicity/race	na	na	na	na	na	na	na	70
Temporary visa holders	118	113	156	155	150	179	196	201
Engineering	3,949	4,166	4,642	4,908	4,942	5,462	6,416	6,956
U.S. citizens and permanent residents	1,297	1,413	1,538	1,591	1,594	1,899	2,375	2,658
Hispanic or Latino	na	na	na	na	na	na	na	63
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	4
Asian <sup>c</sup>	na	na	na	na	na	na	na	587
Black or African American	na	na	na	na	na	na	na	64
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	7
White	na	na	na	na	na	na	na	1,178
More than one race <sup>c</sup>	na	na	na	na	na	na	na	11
Unknown ethnicity/race	na	na	na	na	na	na	na	744
Temporary visa holders	2,652	2,753	3,104	3,317	3,348	3,563	4,041	4,298
Aerospace engineering	141	153	165	178	178	154	168	191
U.S. citizens and permanent residents	46	56	48	59	59	56	69	69
Hispanic or Latino	na	na	na	na	na	na	na	2
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	0
Asian <sup>c</sup>	na	na	na	na	na	na	na	15
Black or African American	na	na	na	na	na	na	na	1
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	30
More than one race <sup>c</sup>	na	na	na	na	na	na	na	0
Unknown ethnicity/race	na	na	na	na	na	na	na	21
Temporary visa holders	95	97	117	119	119	98	99	122
Agricultural engineering	79	89	116	139	139	135	110	119
U.S. citizens and permanent residents	25	22	34	26	26	38	32	37
Hispanic or Latino	na	na	na	na	na	na	na	4
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	0
Asian <sup>c</sup>	na	na	na	na	na	na	na	17
Black or African American	na	na	na	na	na	na	na	3
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	13
More than one race <sup>c</sup>	na	na	na	na	na	na	na	0
Unknown ethnicity/race	na	na	na	na	na	na	na	0
Temporary visa holders	54	67	82	113	113	97	78	82



TABLE 34. Postdoctoral appointees in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2004–10

Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010 <sup>b</sup>
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	2
White	na	na	na	na	na	na	na	147
More than one race <sup>c</sup>	na	na	na	na	na	na	na	1
Unknown ethnicity/race	na	na	na	na	na	na	na	71
Temporary visa holders	463	441	488	639	637	612	702	773
Engineering science	180	168	224	192	183	214	226	243
U.S. citizens and permanent residents	56	53	82	59	55	101	112	94
Hispanic or Latino	na	na	na	na	na	na	na	3
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	0
Asian <sup>c</sup>	na	na	na	na	na	na	na	20
Black or African American	na	na	na	na	na	na	na	2
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	65
More than one race <sup>c</sup>	na	na	na	na	na	na	na	1
Unknown ethnicity/race	na	na	na	na	na	na	na	3
Temporary visa holders	124	115	142	133	128	113	114	149
Industrial engineering	50	51	51	73	71	115	109	163
U.S. citizens and permanent residents	16	16	17	23	19	36	50	78
Hispanic or Latino	na	na	na	na	na	na	na	1
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	0
Asian <sup>c</sup>	na	na	na	na	na	na	na	9
Black or African American	na	na	na	na	na	na	na	4
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	43
More than one race <sup>c</sup>	na	na	na	na	na	na	na	1
Unknown ethnicity/race	na	na	na	na	na	na	na	20
Temporary visa holders	34	35	34	50	52	79	59	85
Mechanical engineering	514	562	644	725	722	784	948	1,009
U.S. citizens and permanent residents	158	150	174	199	198	224	281	362
Hispanic or Latino	na	na	na	na	na	na	na	7
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	0
Asian <sup>c</sup>	na	na	na	na	na	na	na	92
Black or African American	na	na	na	na	na	na	na	4
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	0
White	na	na	na	na	na	na	na	157
More than one race <sup>c</sup>	na	na	na	na	na	na	na	0
Unknown ethnicity/race	na	na	na	na	na	na	na	102
Temporary visa holders	356	412	470	526	524	560	667	647
Metallurgical/materials engineering	567	578	571	555	564	605	758	835
U.S. citizens and permanent residents	166	160	180	136	141	147	243	285
Hispanic or Latino	na	na	na	na	na	na	na	5
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	na	na	na	0
Asian <sup>c</sup>	na	na	na	na	na	na	na	66
Black or African American	na	na	na	na	na	na	na	3
Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	2
White	na	na	na	na	na	na	na	137
More than one race <sup>c</sup>	na	na	na	na	na	na	na	4
Unknown ethnicity/race	na	na	na	na	na	na	na	68
Temporary visa holders	401	418	391	419	423	458	515	550



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Native Hawaiian or Other Pacific Islander <sup>c</sup>	na	na	na	na	na	na	na	41
White	na	na	na	na	na	na	na	4,605
More than one race <sup>c</sup>	na	na	na	na	na	na	na	61
Unknown ethnicity/race	na	na	na	na	na	na	na	2,040
Temporary visa holders	6,988	6,670	7,420	7,699	7,621	7,320	8,071	10,014

na = not applicable; data were not collected at this level of detail. ne = not eligible; data were not collected for this field in prior years.

nec = not elsewhere classified.

<sup>a</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" reflects data as they would have been collected under 2006 methodology. Science fields "communication" and "family and consumer science/human science" 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.

<sup>b</sup> 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.

<sup>c</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."

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