

TABLE 43. Female 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							More than one race	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				
All surveyed fields	24,319	634	43	2,324	564	37	7,333	88	2,010	11,286	
Science and engineering	15,599	403	29	1,348	309	26	4,643	61	1,225	7,555	
Science	14,162	374	29	1,223	280	23	4,351	52	1,097	6,733	
Agricultural sciences	457	14	3	34	7	1	167	1	17	213	
Biological sciences	9,316	236	16	868	178	18	2,660	25	737	4,578	
Anatomy	178	6	0	18	0	0	51	0	19	84	
Biochemistry	884	16	2	87	14	4	238	1	60	462	
Biology	1,036	26	1	93	13	0	341	4	94	464	
Biometry/epidemiology	221	6	0	22	17	0	69	3	20	84	
Biophysics	65	0	0	6	0	1	20	1	3	34	
Botany	222	5	0	28	1	0	43	0	44	101	
Cell biology	1,112	22	2	95	10	1	277	1	72	632	
Ecology	81	2	2	7	0	0	42	0	3	25	
Entomology/parasitology	119	2	0	6	0	0	51	0	6	54	
Genetics	621	8	0	53	14	5	163	2	83	293	
Microbiology/immunology/virology	1,212	37	2	89	24	1	356	4	96	603	
Nutrition	146	5	0	10	5	0	46	0	22	58	
Pathology	815	21	3	83	17	4	199	3	69	416	
Pharmacology	721	25	0	71	17	1	191	1	55	360	
Physiology	693	14	2	67	21	0	232	0	24	333	
Zoology	30	0	0	3	0	0	14	0	6	7	
Biological sciences, nec	1,160	41	2	130	25	1	327	5	61	568	
Communication <sup>b</sup>	23	1	0	2	2	0	5	1	4	8	
Computer sciences	142	2	0	18	4	1	33	0	14	70	
Earth, atmospheric, and ocean sciences	648	15	0	46	5	0	264	11	35	272	
Atmospheric sciences	52	2	0	7	0	0	16	1	3	23	
Geosciences	201	2	0	8	0	0	68	1	12	110	
Oceanography	190	5	0	10	1	0	94	9	12	59	
Earth/atmospheric/ocean sciences, nec	205	6	0	21	4	0	86	0	8	80	
Family and consumer sciences/human sciences <sup>b</sup>	43	1	0	2	4	0	27	0	2	7	
Mathematical sciences	177	6	0	13	4	0	55	3	9	87	
Mathematics/applied mathematics	156	4	0	11	3	0	52	2	8	76	
Statistics	21	2	0	2	1	0	3	1	1	11	
Multidisciplinary/interdisciplinary studies <sup>b</sup>	245	7	2	13	8	0	114	0	23	78	
Neuroscience <sup>b</sup>	601	15	0	36	5	0	166	2	77	300	
Physical sciences	1,542	26	4	129	28	2	396	6	80	871	
Astronomy	148	2	0	5	0	0	61	2	14	64	
Chemistry	886	16	4	84	22	0	209	2	40	509	

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Physics	456	8	0	38	5	2	103	2	26	272	
Physical sciences, nec	52	0	0	2	1	0	23	0	0	26	
Psychology	598	27	1	34	13	1	311	1	65	145	
Clinical psychology	68	7	0	2	6	1	41	0	4	7	
Psychology, general	309	11	0	20	3	0	138	0	40	97	
Psychology, nec	221	9	1	12	4	0	132	1	21	41	
Social sciences	370	24	3	28	22	0	153	2	34	104	
Agricultural economics	13	0	0	1	0	0	5	0	1	6	
Anthropology (cultural/social)	44	4	1	2	2	0	21	0	5	9	
Economics (except agricultural)	6	0	0	0	1	0	1	0	1	3	
Geography	20	1	0	1	0	0	12	0	2	4	
History and philosophy of science	6	0	0	0	0	0	1	0	3	2	
Linguistics	12	0	0	1	1	0	6	0	1	3	
Political science	101	6	0	11	10	0	36	0	13	25	
Sociology	58	4	1	2	4	0	29	1	3	14	
Sociology/anthropology	1	0	0	0	0	0	0	0	1	0	
Social sciences, nec	109	9	1	10	4	0	42	1	4	38	
Engineering	1,437	29	0	125	29	3	292	9	128	822	
Aerospace engineering	31	0	0	1	1	0	5	0	5	19	
Agricultural engineering	39	0	0	5	2	2	7	0	2	21	
Architecture <sup>b</sup>	8	0	0	2	0	0	0	0	1	5	
Biomedical engineering	319	7	0	43	13	0	78	0	43	135	
Chemical engineering	264	4	0	29	3	1	52	1	6	168	
Civil engineering <sup>b</sup>	146	4	0	5	2	0	42	1	16	76	
Electrical engineering	145	4	0	9	2	0	18	1	12	99	
Engineering science	54	1	0	3	0	0	15	0	0	35	
Industrial engineering	26	1	0	0	1	0	6	0	2	16	
Mechanical engineering	130	3	0	7	1	0	21	3	20	75	
Metallurgical/materials engineering	175	3	0	14	3	0	27	3	11	114	
Mining engineering	0	0	0	0	0	0	0	0	0	0	
Nuclear engineering	13	0	0	1	0	0	6	0	0	6	
Petroleum engineering	6	0	0	0	0	0	0	0	1	5	
Engineering, nec	81	2	0	6	1	0	15	0	9	48	
Health	8,720	231	14	976	255	11	2,690	27	785	3,731	
Clinical medicine	7,616	191	11	860	230	9	2,323	22	706	3,264	
Anesthesiology	168	1	1	20	1	0	43	0	9	93	
Cardiology	262	7	0	21	6	1	65	1	15	146	
Endocrinology	215	9	0	16	8	0	62	0	15	105	
Gastroenterology	140	1	0	16	8	0	35	0	21	59	
Hematology	151	5	0	12	2	0	31	1	52	48	
Neurology <sup>b</sup>	499	8	1	63	9	0	141	0	43	234	

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Obstetrics/gynecology	203	4	1	22	4	0	89	1	7	75
Oncology/cancer research	840	23	1	83	18	1	211	2	74	427
Ophthalmology	212	8	0	23	0	0	28	0	16	137
Otorhinolaryngology	77	2	0	6	3	0	21	0	4	41
Pediatrics	759	16	2	88	27	2	268	4	57	295
Preventive medicine/community health	358	16	2	31	25	3	121	2	49	109
Psychiatry	607	20	1	47	34	1	270	2	93	139
Pulmonary disease	136	3	0	14	5	0	66	0	12	36
Radiology	334	4	1	51	2	0	90	0	6	180
Surgery	472	7	0	52	12	0	138	2	28	233
Clinical medicine, nec	2,183	57	1	295	66	1	644	7	205	907
Other health	1,104	40	3	116	25	2	367	5	79	467
Dental sciences	172	0	0	21	4	0	37	0	17	93
Nursing	67	3	1	6	10	0	35	1	2	9
Pharmaceutical sciences	385	13	1	52	6	2	99	2	20	190
Speech pathology/audiology	28	3	0	3	0	0	17	1	1	3
Veterinary sciences	235	14	1	16	2	0	103	0	22	77
Other health, nec	217	7	0	18	3	0	76	1	17	95

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 due to 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.