

TABLE 33. Female postdoctoral appointees in science, engineering, and health in all institutions, by detailed field: 2005–11

Field	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010 <sup>b</sup>	2011
All surveyed fields	17,040	17,583	17,852	17,898	20,221	21,818	24,166	24,319
Science and engineering	11,229	11,526	11,482	11,592	13,084	14,157	15,299	15,599
Science	10,499	10,703	10,647	10,749	11,981	12,772	13,872	14,162
Agricultural sciences	336	311	314	328	426	398	447	457
Biological sciences	7,559	7,690	7,653	7,598	8,358	8,640	9,352	9,316
Anatomy	184	167	162	149	147	169	197	178
Biochemistry	923	914	835	819	860	923	997	884
Biology	773	909	887	838	1,023	1,018	1,068	1,036
Biometry/epidemiology	136	145	170	175	155	193	234	221
Biophysics	64	69	61	56	45	51	73	65
Botany	236	242	189	189	252	261	210	222
Cell biology	966	947	858	887	1,014	1,142	1,137	1,112
Ecology	72	75	79	75	96	96	106	81
Entomology/parasitology	85	64	83	83	75	90	94	119
Genetics	437	356	390	392	408	430	611	621
Microbiology/immunology/virology	965	901	1,017	979	974	993	1,090	1,212
Nutrition	145	134	170	160	142	128	123	146
Pathology	577	686	705	708	778	838	851	815
Pharmacology	590	592	565	566	614	659	757	721
Physiology	517	522	460	499	540	588	640	693
Zoology	54	37	45	42	36	32	28	30
Biological sciences, nec	835	930	977	981	1,199	1,029	1,136	1,160
Communication <sup>a</sup>	ne	ne	ne	16	14	15	22	23
Computer sciences	71	88	96	79	85	100	126	142
Earth, atmospheric, and ocean sciences	404	445	389	382	468	487	602	648
Atmospheric sciences	33	33	28	28	26	34	51	52
Geosciences	146	154	148	151	186	165	185	201
Oceanography	118	115	129	129	147	161	160	190
Earth/atmospheric/ocean sciences, nec	107	143	84	74	109	127	206	205
Family and consumer sciences/human sciences <sup>a</sup>	ne	ne	ne	4	13	14	23	43
Mathematical sciences	108	125	104	104	146	170	169	177
Mathematics/applied mathematics	90	107	94	93	122	152	155	156
Statistics	18	18	10	11	24	18	14	21
Multidisciplinary/interdisciplinary studies <sup>a</sup>	ne	ne	ne	63	124	166	259	245
Neuroscience <sup>a</sup>	na	na	na	109	157	250	374	601
Physical sciences	1,417	1,403	1,358	1,345	1,443	1,669	1,611	1,542
Astronomy	79	81	81	81	112	143	133	148
Chemistry	988	978	923	908	930	1,089	986	886
Physics	319	314	322	324	366	400	444	456
Physical sciences, nec	31	30	32	32	35	37	48	52
Psychology	433	460	526	519	505	610	585	598
Clinical psychology	41	48	58	58	49	102	95	68
Psychology, general	262	263	286	281	309	336	322	309
Psychology, nec	130	149	182	180	147	172	168	221
Social sciences	171	181	207	202	242	253	302	370
Agricultural economics	10	11	15	13	16	16	11	13
Anthropology (cultural/social)	34	36	30	30	48	47	44	44
Economics (except agricultural)	3	2	13	15	8	18	12	6
Geography	10	18	10	10	16	23	23	20
History and philosophy of science	2	4	5	4	5	5	7	6
Linguistics	14	14	19	16	13	4	10	12
Political science	20	25	24	24	33	35	41	101
Sociology	39	26	36	30	25	34	48	58
Sociology/anthropology	3	3	0	0	2	1	0	1
Social sciences, nec	36	42	55	60	76	70	106	109

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Field	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010 <sup>b</sup>	2011
Engineering	730	823	835	843	1,103	1,385	1,427	1,437
Aerospace engineering	24	26	19	19	19	24	25	31
Agricultural engineering	20	20	32	32	32	30	38	39
Architecture <sup>a</sup>	na	na	na	2	4	11	5	8
Biomedical engineering	135	169	163	163	217	324	298	319
Chemical engineering	135	138	136	141	186	234	234	264
Civil engineering <sup>a</sup>	79	100	81	78	118	125	144	146
Electrical engineering	89	75	105	104	139	158	158	145
Engineering science	22	28	34	34	41	54	45	54
Industrial engineering	9	15	18	17	45	28	37	26
Mechanical engineering	60	68	78	78	106	141	151	130
Metallurgical/materials engineering	106	109	112	121	132	147	166	175
Mining engineering	1	3	0	1	1	0	0	0
Nuclear engineering	8	16	14	11	15	15	13	13
Petroleum engineering	2	5	6	6	6	7	14	6
Engineering, nec	40	51	37	36	42	87	99	81
Health	5,811	6,057	6,370	6,306	7,137	7,661	8,867	8,720
Clinical medicine	5,054	5,255	5,502	5,370	6,195	6,561	7,619	7,616
Anesthesiology	108	136	134	134	142	166	194	168
Cardiology	112	123	130	138	173	198	271	262
Endocrinology	127	138	147	152	170	233	228	215
Gastroenterology	85	98	103	103	101	107	115	140
Hematology	109	95	124	124	147	173	144	151
Neurology <sup>a</sup>	631	652	688	565	613	653	636	499
Obstetrics/gynecology	118	112	101	101	131	158	181	203
Oncology/cancer research	412	504	626	661	728	758	864	840
Ophthalmology	156	149	176	176	215	222	228	212
Otorhinolaryngology	55	59	57	57	55	61	56	77
Pediatrics	473	438	436	436	513	529	671	759
Preventive medicine/community health	146	139	174	180	229	245	345	358
Psychiatry	427	444	478	453	532	552	673	607
Pulmonary disease	60	48	72	72	91	97	121	136
Radiology	202	282	312	295	299	340	352	334
Surgery	370	366	361	351	385	441	432	472
Clinical medicine, nec	1,463	1,472	1,383	1,372	1,671	1,628	2,108	2,183
Other health	757	802	868	936	942	1,100	1,248	1,104
Dental sciences	74	77	87	115	116	140	174	172
Nursing	51	56	52	52	69	58	49	67
Pharmaceutical sciences	241	229	261	280	289	353	408	385
Speech pathology/audiology	22	26	48	48	34	39	31	28
Veterinary sciences	218	221	208	250	244	243	236	235
Other health, nec	151	193	212	191	190	267	350	217

na = not applicable; data were not collected at this level of detail. ne = not eligible; data were not collected for this field prior to 2007.

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" 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.

<sup>b</sup> 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/>.

NOTES: 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.