TABLE 36. Postdoctoral appointees in science, engineering, and health in private institutions, by detailed field: 2005–11

Field	2005	2006	2007old[a]	2007new[a]	2008	2009	2010[b]	2011
All surveyed fields	21,337	21,624	22,643	22,653	24,478	25,338	28,136	28,492
Science and engineering	13,539	13,532	14,355	14,536	15,337	16,182	17,871	18,508
Science	11,979	11,769	12,448	12,628	13,339	13,855	15,202	15,828
Agricultural sciences	87	70	62	62	50	50	54	79
Biological sciences	8,319	8,266	8,541	8,509	8,983	8,889	9,905	10,102
Anatomy	134	120	120	121	119	141	147	106
Biochemistry	1,087	948	972	919	1,004	933	1,049	996
Biology	1,013	1,116	1,302	1,222	1,289	1,221	1,279	1,218
Biometry/epidemiology	120	121	153	156	169	198	239	324
Biophysics	147	149	138	137	128	123	199	143
Botany	16	9	11	11	14	15	14	29
Cell biology	1,381	1,346	1,280	1,305	1,231	1,275	1,406	1,401
Ecology	42	47	51	51	63	76	82	82
Entomology/parasitology	13	9	11	11	12	6	10	12
Genetics	658	473	585	594	645	669	947	924
Microbiology/immunology/virology	1,070	970	1,161	1,115	1,093	1,104	1,090	1,246
Nutrition	53	37	30	30	19	14	26	58
Pathology	799	1,049	1,066	1,078	1,204	1,117	1,089	1,033
Pharmacology	584	531	471	475	516	535	647	626
Physiology	503	465	454	527	559	585	618	666
Zoology	2	0	0	0	0	0	0	0
Biological sciences, nec	697	876	736	757	918	877	1,063	1,238
Communication[a]	ne	ne	ne	16	23	27	33	37
Computer sciences	150	177	222	209	227	275	322	359
Earth, atmospheric, and ocean sciences	319	331	329	329	386	420	434	455
Atmospheric sciences	4	4	8	8	11	8	11	26
Geosciences	231	232	211	211	246	265	277	260
Oceanography	67	82	94	94	106	114	65	84
Earth/atmospheric/ocean sciences, nec	17	13	16	16	23	33	81	85
Family and consumer sciences/human sciences[a]	ne	ne	ne	0	0	2	6	13
Mathematical sciences	217	210	198	206	273	291	322	308
Mathematics/applied mathematics	181	183	181	180	233	257	288	265
Statistics	36	27	17	26	40	34	34	43
Multidisciplinary/interdisciplinary studies[a]	ne	ne	ne	36	40	66	138	133
Neuroscience[a]	na	na	na	193	246	368	481	741
Physical sciences	2,327	2,201	2,377	2,378	2,432	2,591	2,705	2,684
Astronomy	171	140	159	160	189	218	245	247
Chemistry	1,388	1,320	1,389	1,389	1,391	1,417	1,498	1,421
Physics	717	697	791	791	808	895	841	929
Physical sciences, nec	51	44	38	38	44	61	121	87
Psychology	410	360	523	506	491	635	510	510
Clinical psychology	18	27	26	26	23	78	71	35
Psychology, general	288	209	360	355	356	422	314	325
Psychology, nec	104	124	137	125	112	135	125	150
Social sciences	150	154	196	184	188	241	292	407
Agricultural economics	1	4	2	2	1	2	3	5
Anthropology (cultural/social)	26	21	27	27	25	20	27	37
Economics (except agricultural)	7	8	14	14	13	43	29	25
Geography	5	12	6	6	4	8	9	7
History and philosophy of science	4	6	10	6	7	6	9	7
Linguistics	17	18	14	8	8	6	14	15
Political science	22	36	22	22	32	46	56	156
Sociology	26	14	42	35	29	33	36	47
Sociology/anthropology	8	1	1	1	1	3	0	0
Social sciences, nec	34	34	58	63	68	74	109	108

TABLE 36. Postdoctoral appointees in science, engineering, and health in private institutions, by detailed field: 2005–11

Field	2005	2006	2007old[a]	2007new[a]	2008	2009	2010[b]	2011
Engineering	1,560	1,763	1,907	1,908	1,998	2,327	2,669	2,680
Aerospace engineering	51	48	67	67	58	54	73	68
Agricultural engineering	9	8	11	11	7	0	9	28
Architecture[a]	na	na	na	3	4	4	3	3
Biomedical engineering	246	331	367	367	404	522	561	572
Chemical engineering	223	237	256	256	278	340	373	388
Civil engineering[a]	143	139	141	138	143	153	179	183
Electrical engineering	230	231	315	315	295	317	370	387
Engineering science	146	173	161	161	145	152	182	185
Industrial engineering	10	8	23	26	25	26	50	48
Mechanical engineering	212	258	259	259	291	362	392	359
Metallurgical/materials engineering	176	185	196	196	211	258	268	258
Mining engineering	0	0	0	0	0	0	0	0
Nuclear engineering	9	40	30	30	34	30	41	51
Petroleum engineering	6	6	9	9	13	13	19	18
Engineering, nec	99	99	72	70	90	96	149	132
Health	7,798	8,092	8,288	8,117	9,141	9,156	10,265	9,984
Clinical medicine	7,566	7,789	7,932	7,726	8,796	8,789	9,859	9,592
Anesthesiology	189	225	191	191	256	274	327	240
Cardiology	271	288	276	314	344	347	389	384
Endocrinology	139	130	163	177	189	312	297	264
Gastroenterology	132	128	172	172	146	153	170	181
Hematology	70	66	143	143	152	188	179	182
Neurology[a]	960	1,056	1,124	917	970	904	861	669
Obstetrics/gynecology	256	221	85	85	114	137	170	165
Oncology/cancer research	372	598	775	838	981	990	1,052	1,066
Ophthalmology	258	216	259	259	304	287	337	280
Otorhinolaryngology	88	78	60	60	67	68	65	94
Pediatrics	566	538	472	472	558	562	704	690
Preventive medicine/community health	118	96	126	132	140	131	166	269
Psychiatry	514	466	522	484	559	532	625	551
Pulmonary disease	80	51	94	94	124	141	139	142
Radiology	478	656	677	633	625	678	721	656
Surgery	752	670	795	774	776	788	645	742
Clinical medicine, nec	2,323	2,306	1,998	1,981	2,491	2,297	3,012	3,017
Other health	232	303	356	391	345	367	406	392
Dental sciences	27	43	53	85	91	102	97	124
Nursing	13	16	13	13	26	20	8	15
Pharmaceutical sciences	20	5	25	25	30	46	40	45
Speech pathology/audiology	8	7	31	31	15	17	15	14
Veterinary sciences	62	84	101	119	72	43	65	60
Other health, nec	102	148	133	118	111	139	181	134

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.

[a] 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.

[b] 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.