

TABLE 36. Postdoctoral appointees in science, engineering, and health in private institutions, by detailed field: 2004–10

Field	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010 <sup>b</sup>
All surveyed fields	20,758	21,337	21,624	22,643	22,653	24,478	25,338	28,136
Science and engineering	13,494	13,539	13,532	14,355	14,536	15,337	16,182	17,871
Science	11,910	11,979	11,769	12,448	12,628	13,339	13,855	15,202
Agricultural sciences	65	87	70	62	62	50	50	54
Biological sciences	8,312	8,319	8,266	8,541	8,509	8,983	8,889	9,905
Anatomy	148	134	120	120	121	119	141	147
Biochemistry	1,053	1,087	948	972	919	1,004	933	1,049
Biology	965	1,013	1,116	1,302	1,222	1,289	1,221	1,279
Biometry/epidemiology	119	120	121	153	156	169	198	239
Biophysics	156	147	149	138	137	128	123	199
Botany	12	16	9	11	11	14	15	14
Cell biology	1,310	1,381	1,346	1,280	1,305	1,231	1,275	1,406
Ecology	44	42	47	51	51	63	76	82
Entomology/parasitology	15	13	9	11	11	12	6	10
Genetics	537	658	473	585	594	645	669	947
Microbiology/immunology/virology	972	1,070	970	1,161	1,115	1,093	1,104	1,090
Nutrition	52	53	37	30	30	19	14	26
Pathology	1,242	799	1,049	1,066	1,078	1,204	1,117	1,089
Pharmacology	573	584	531	471	475	516	535	647
Physiology	497	503	465	454	527	559	585	618
Zoology	0	2	0	0	0	0	0	0
Biological sciences, nec	617	697	876	736	757	918	877	1,063
Communication <sup>a</sup>	ne	ne	ne	ne	16	23	27	33
Computer sciences	155	150	177	222	209	227	275	322
Earth, atmospheric, and ocean sciences	323	319	331	329	329	386	420	434
Atmospheric sciences	0	4	4	8	8	11	8	11
Geosciences	234	231	232	211	211	246	265	277
Oceanography	75	67	82	94	94	106	114	65
Earth/atmospheric/ocean sciences, nec	14	17	13	16	16	23	33	81
Family and consumer sciences/human sciences <sup>a</sup>	ne	ne	ne	ne	0	0	2	6
Mathematical sciences	171	217	210	198	206	273	291	322
Mathematics/applied mathematics	150	181	183	181	180	233	257	288
Statistics	21	36	27	17	26	40	34	34
Multidisciplinary/interdisciplinary studies <sup>a</sup>	ne	ne	ne	ne	36	40	66	138
Neuroscience <sup>a</sup>	na	na	na	na	193	246	368	481
Physical sciences	2,317	2,327	2,201	2,377	2,378	2,432	2,591	2,705
Astronomy	140	171	140	159	160	189	218	245
Chemistry	1,444	1,388	1,320	1,389	1,389	1,391	1,417	1,498
Physics	683	717	697	791	791	808	895	841
Physical sciences, nec	50	51	44	38	38	44	61	121
Psychology	422	410	360	523	506	491	635	510
Clinical psychology	29	18	27	26	26	23	78	71
Psychology, general	282	288	209	360	355	356	422	314
Psychology, nec	111	104	124	137	125	112	135	125
Social sciences	145	150	154	196	184	188	241	292
Agricultural economics	0	1	4	2	2	1	2	3
Anthropology (cultural/social)	27	26	21	27	27	25	20	27
Economics (except agricultural)	4	7	8	14	14	13	43	29
Geography	8	5	12	6	6	4	8	9
History and philosophy of science	6	4	6	10	6	7	6	9
Linguistics	19	17	18	14	8	8	6	14
Political science	15	22	36	22	22	32	46	56

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Sociology	32	26	14	42	35	29	33	36
Sociology/anthropology	11	8	1	1	1	1	3	0
Social sciences, nec	23	34	34	58	63	68	74	109
Engineering	1,584	1,560	1,763	1,907	1,908	1,998	2,327	2,669
Aerospace engineering	54	51	48	67	67	58	54	73
Agricultural engineering	3	9	8	11	11	7	0	9
Architecture <sup>a</sup>	na	na	na	na	3	4	4	3
Biomedical engineering	214	246	331	367	367	404	522	561
Chemical engineering	235	223	237	256	256	278	340	373
Civil engineering <sup>a</sup>	134	143	139	141	138	143	153	179
Electrical engineering	253	230	231	315	315	295	317	370
Engineering science	135	146	173	161	161	145	152	182
Industrial engineering	5	10	8	23	26	25	26	50
Mechanical engineering	219	212	258	259	259	291	362	392
Metallurgical/materials engineering	184	176	185	196	196	211	258	268
Mining engineering	0	0	0	0	0	0	0	0
Nuclear engineering	24	9	40	30	30	34	30	41
Petroleum engineering	10	6	6	9	9	13	13	19
Engineering, nec	114	99	99	72	70	90	96	149
Health	7,264	7,798	8,092	8,288	8,117	9,141	9,156	10,265
Clinical medicine	7,011	7,566	7,789	7,932	7,726	8,796	8,789	9,859
Anesthesiology	178	189	225	191	191	256	274	327
Cardiology	275	271	288	276	314	344	347	389
Endocrinology	124	139	130	163	177	189	312	297
Gastroenterology	127	132	128	172	172	146	153	170
Hematology	103	70	66	143	143	152	188	179
Neurology <sup>a</sup>	1,020	960	1,056	1,124	917	970	904	861
Obstetrics/gynecology	266	256	221	85	85	114	137	170
Oncology/cancer research	337	372	598	775	838	981	990	1,052
Ophthalmology	258	258	216	259	259	304	287	337
Otorhinolaryngology	86	88	78	60	60	67	68	65
Pediatrics	502	566	538	472	472	558	562	704
Preventive medicine/community health	123	118	96	126	132	140	131	166
Psychiatry	480	514	466	522	484	559	532	625
Pulmonary disease	98	80	51	94	94	124	141	139
Radiology	471	478	656	677	633	625	678	721
Surgery	726	752	670	795	774	776	788	645
Clinical medicine, nec	1,837	2,323	2,306	1,998	1,981	2,491	2,297	3,012
Other health	253	232	303	356	391	345	367	406
Dental sciences	12	27	43	53	85	91	102	97
Nursing	22	13	16	13	13	26	20	8
Pharmaceutical sciences	11	20	5	25	25	30	46	40

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Speech pathology/audiology	8	8	7	31	31	15	17	15
Veterinary sciences	78	62	84	101	119	72	43	65
Other health, nec	122	102	148	133	118	111	139	181

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. "Communication" and "family and consumer sciences/human sciences" are newly eligible; data for these two fields are only in 2007new. "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>.

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