

TABLE 40. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field and primary mechanism of support: 2011

Field	Total	Fellowships	Research grants	Traineeships	Other types of support	Not reported
All surveyed fields	62,947	5,881	35,399	4,436	9,346	7,885
Science and engineering	44,249	3,854	26,743	2,207	6,057	5,388
Science	37,485	3,449	22,281	2,151	5,375	4,229
Agricultural sciences	1,257	62	906	20	199	70
Biological sciences	21,342	1,852	12,583	1,752	3,098	2,057
Anatomy	392	24	195	53	45	75
Biochemistry	2,312	146	1,501	141	372	152
Biology	2,408	331	1,434	83	284	276
Biometry/epidemiology	521	49	231	80	61	100
Biophysics	198	10	110	3	60	15
Botany	559	6	371	1	47	134
Cell biology	2,678	278	1,412	121	466	401
Ecology	200	21	120	4	55	0
Entomology/parasitology	261	2	193	0	39	27
Genetics	1,460	116	872	87	274	111
Microbiology/immunology/virology	2,551	240	1,572	246	364	129
Nutrition	244	14	121	24	38	47
Pathology	1,747	133	933	146	331	204
Pharmacology	1,628	144	989	134	167	194
Physiology	1,534	150	936	189	194	65
Zoology	85	6	59	1	11	8
Biological sciences, nec	2,564	182	1,534	439	290	119
Communication ^a	65	28	29	0	8	0
Computer sciences	769	65	549	2	66	87
Earth, atmospheric, and ocean sciences	1,771	201	973	11	262	324
Atmospheric sciences	161	20	117	1	16	7
Geosciences	583	63	379	1	105	35
Oceanography	408	84	281	7	29	7
Earth/atmospheric/ocean sciences, nec	619	34	196	2	112	275
Family and consumer sciences/human sciences ^a	54	5	22	3	17	7
Mathematical sciences	805	110	344	53	193	105
Mathematics/applied mathematics	706	105	294	49	179	79
Statistics	99	5	50	4	14	26
Multidisciplinary/interdisciplinary studies ^a	697	63	338	48	75	173
Neuroscience ^a	1,362	146	810	82	252	72
Physical sciences	7,511	609	4,923	55	806	1,118
Astronomy	529	74	300	1	67	87
Chemistry	4,018	406	2,572	48	428	564
Physics	2,704	127	1,929	6	286	356
Physical sciences, nec	260	2	122	0	25	111
Psychology	1,079	148	588	82	169	92
Clinical psychology	93	41	25	0	24	3
Psychology, general	601	48	338	46	95	74
Psychology, nec	385	59	225	36	50	15
Social sciences	773	160	216	43	230	124
Agricultural economics	47	2	24	0	16	5
Anthropology (cultural/social)	81	22	25	1	24	9
Economics (except agricultural)	38	6	7	7	12	6
Geography	57	3	36	1	10	7
History and philosophy of science	9	3	0	0	6	0
Linguistics	31	8	11	1	11	0
Political science	220	47	38	8	71	56
Sociology	91	26	26	11	23	5
Sociology/anthropology	2	0	0	0	2	0
Social sciences, nec	197	43	49	14	55	36

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Field	Total	Fellowships	Research grants	Traineeships	Other types of support	Not reported
Engineering	6,764	405	4,462	56	682	1,159
Aerospace engineering	195	14	139	0	26	16
Agricultural engineering	129	2	99	0	17	11
Architecture ^a	17	2	8	0	4	3
Biomedical engineering	1,076	74	650	31	87	234
Chemical engineering	1,137	55	749	4	100	229
Civil engineering ^a	551	33	359	3	69	87
Electrical engineering	1,062	73	664	7	94	224
Engineering science	233	15	195	0	17	6
Industrial engineering	121	14	59	2	18	28
Mechanical engineering	896	56	532	1	109	198
Metallurgical/materials engineering	861	31	629	3	96	102
Mining engineering	4	0	4	0	0	0
Nuclear engineering	109	8	77	0	6	18
Petroleum engineering	35	0	35	0	0	0
Engineering, nec	338	28	263	5	39	3
Health	18,698	2,027	8,656	2,229	3,289	2,497
Clinical medicine	16,279	1,827	7,299	1,887	2,954	2,312
Anesthesiology	405	36	160	17	90	102
Cardiology	702	78	354	99	94	77
Endocrinology	416	62	165	58	93	38
Gastroenterology	341	31	123	38	68	81
Hematology	339	42	179	51	33	34
Neurology ^a	1,044	100	439	171	153	181
Obstetrics/gynecology	327	40	126	37	88	36
Oncology/cancer research	1,875	276	966	177	401	55
Ophthalmology	466	17	252	38	107	52
Otorhinolaryngology	160	8	108	17	22	5
Pediatrics	1,434	218	717	122	283	94
Preventive medicine/community health	658	78	255	99	85	141
Psychiatry	995	88	461	198	191	57
Pulmonary disease	301	49	107	58	51	36
Radiology	987	179	504	92	115	97
Surgery	1,259	134	516	142	296	171
Clinical medicine, nec	4,570	391	1,867	473	784	1,055
Other health	2,419	200	1,357	342	335	185
Dental sciences	377	18	202	51	77	29
Nursing	78	15	17	27	17	2
Pharmaceutical sciences	1,059	86	541	181	133	118
Speech pathology/audiology	47	2	30	5	6	4
Veterinary sciences	444	39	291	27	66	21
Other health, nec	414	40	276	51	36	11

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.

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/>. Details on primary mechanism and source of support for postdocs were collected for first time in 2010, and any missing data in this item were not imputed in 2010 and 2011 because of 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.