

TABLE 39. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field and primary source of support: 2011

Field	Federal											Nonfederal				Self-support	Unknown/not reported	
	Total	Total	DOD	DOE	HHS-NIH	HHS-Other	NASA	NSF	USDA	Other	Not reported	Total	Institutional	Domestic	Foreign			Not reported
All surveyed fields	62,947	32,671	2,184	1,737	19,669	826	596	3,963	683	3,013	0	19,213	9,792	8,000	1,421	0	406	10,657
Science and engineering	44,249	23,812	1,872	1,717	12,117	559	579	3,921	638	2,409	0	13,064	6,626	5,371	1,067	0	220	7,153
Science	37,485	20,517	1,098	1,160	11,427	498	498	3,270	588	1,978	0	10,969	5,643	4,507	819	0	153	5,846
Agricultural sciences	1,257	615	32	26	33	7	8	104	286	119	0	533	278	217	38	0	17	92
Biological sciences	21,342	12,243	335	178	9,179	282	36	943	251	1,039	0	5,834	2,697	2,758	379	0	51	3,214
Anatomy	392	213	13	0	183	0	0	4	0	13	0	71	40	26	5	0	0	108
Biochemistry	2,312	1,368	38	41	974	71	1	69	2	172	0	630	302	299	29	0	5	309
Biology	2,408	1,289	39	29	802	26	4	302	18	69	0	810	389	322	99	0	2	307
Biometry/epidemiology	521	304	9	1	253	16	0	9	1	15	0	109	61	42	6	0	4	104
Biophysics	198	112	0	0	74	0	0	6	0	32	0	59	38	21	0	0	0	27
Botany	559	277	1	24	18	2	5	133	87	7	0	140	87	49	4	0	3	139
Cell biology	2,678	1,390	26	8	1,090	34	6	74	3	149	0	810	292	469	49	0	0	478
Ecology	200	105	0	3	13	0	3	64	5	17	0	80	59	21	0	0	0	15
Entomology/parasitology	261	146	3	1	34	0	1	23	74	10	0	75	41	28	6	0	3	37
Genetics	1,460	840	16	3	601	11	3	44	10	152	0	439	183	233	23	0	0	181
Microbiology/immunology/virology	2,551	1,714	28	30	1,400	39	2	55	12	148	0	596	245	314	37	0	1	240
Nutrition	244	116	2	1	67	6	0	7	22	11	0	76	52	17	7	0	2	50
Pathology	1,747	965	25	1	898	6	3	0	2	30	0	491	264	194	33	0	9	282
Pharmacology	1,628	991	47	0	839	31	0	11	1	62	0	398	174	195	29	0	1	238
Physiology	1,534	973	38	1	846	27	1	20	2	38	0	422	164	233	25	0	1	138
Zoology	85	51	3	3	16	0	1	16	4	8	0	20	16	4	0	0	5	9
Biological sciences, nec	2,564	1,389	47	32	1,071	13	6	106	8	106	0	608	290	291	27	0	15	552
Communication ^a	65	17	5	0	10	0	0	2	0	0	0	40	17	14	9	0	0	8
Computer sciences	769	437	124	19	49	3	2	190	2	48	0	217	93	97	27	0	4	111
Earth, atmospheric, and ocean sciences	1,771	816	37	52	17	9	142	377	13	169	0	578	385	144	49	0	10	367
Atmospheric sciences	161	114	5	16	1	0	29	35	1	27	0	44	20	22	2	0	1	2
Geosciences	583	309	5	26	0	2	74	172	3	27	0	213	139	53	21	0	6	55
Oceanography	408	251	19	3	8	6	10	134	2	69	0	128	77	42	9	0	0	29
Earth/atmospheric/ocean sciences, nec	619	142	8	7	8	1	29	36	7	46	0	193	149	27	17	0	3	281
Family and consumer sciences/human sciences ^a	54	22	0	0	11	2	0	2	2	5	0	25	14	11	0	0	0	7
Mathematical sciences	805	353	46	13	50	8	4	208	0	24	0	316	246	51	19	0	3	133
Mathematics/applied mathematics	706	303	39	13	26	7	4	195	0	19	0	293	229	47	17	0	3	107
Statistics	99	50	7	0	24	1	0	13	0	5	0	23	17	4	2	0	0	26
Multidisciplinary/interdisciplinary studies ^a	697	279	45	40	105	5	4	51	3	26	0	227	152	68	7	0	9	182
Neuroscience ^a	1,362	790	23	3	629	48	0	13	1	73	0	418	165	217	36	0	2	152

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Physical sciences	7,511	4,109	392	826	882	90	299	1,250	11	359	0	2,087	1,156	737	194	0	36	1,279
Astronomy	529	289	6	19	2	0	129	108	0	25	0	128	81	42	5	0	9	103
Chemistry	4,018	2,080	222	273	791	76	15	567	5	131	0	1,265	650	495	120	0	17	656
Physics	2,704	1,638	160	520	80	14	144	517	5	198	0	660	403	191	66	0	8	398
Physical sciences, nec	260	102	4	14	9	0	11	58	1	5	0	34	22	9	3	0	2	122
Psychology	1,079	638	46	1	404	36	0	75	0	76	0	311	175	92	44	0	14	116
Clinical psychology	93	53	2	0	30	3	0	1	0	17	0	37	31	4	2	0	0	3
Psychology, general	601	337	22	0	216	21	0	47	0	31	0	172	89	52	31	0	12	80
Psychology, nec	385	248	22	1	158	12	0	27	0	28	0	102	55	36	11	0	2	33
Social sciences	773	198	13	2	58	8	3	55	19	40	0	383	265	101	17	0	7	185
Agricultural economics	47	23	0	1	0	0	0	0	15	7	0	19	15	4	0	0	0	5
Anthropology (cultural/social)	81	25	1	0	3	0	0	14	0	7	0	44	36	5	3	0	1	11
Economics (except agricultural)	38	2	0	0	1	0	0	0	0	1	0	19	12	6	1	0	0	17
Geography	57	30	1	1	2	0	3	17	4	2	0	19	12	4	3	0	1	7
History and philosophy of science	9	1	0	0	0	0	0	1	0	0	0	2	2	0	0	0	0	6
Linguistics	31	9	1	0	4	0	0	4	0	0	0	15	9	6	0	0	1	6
Political science	220	30	8	0	7	0	0	5	0	10	0	111	66	42	3	0	2	77
Sociology	91	30	0	0	16	5	0	8	0	1	0	52	41	9	2	0	2	7
Sociology/anthropology	2	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0
Social sciences, nec	197	48	2	0	25	3	0	6	0	12	0	100	70	25	5	0	0	49
Engineering	6,764	3,295	774	557	690	61	81	651	50	431	0	2,095	983	864	248	0	67	1,307
Aerospace engineering	195	105	48	11	3	15	9	3	0	16	0	59	24	23	12	0	3	28
Agricultural engineering	129	72	7	11	5	0	3	7	26	13	0	45	25	16	4	0	1	11
Architecture ^a	17	8	1	0	0	0	0	3	4	0	0	6	5	1	0	0	0	3
Biomedical engineering	1,076	547	60	11	386	5	2	52	2	29	0	270	154	91	25	0	7	252
Chemical engineering	1,137	474	74	130	79	3	5	139	6	38	0	415	181	177	57	0	0	248
Civil engineering ^a	551	237	30	33	14	8	10	52	5	85	0	208	129	56	23	0	3	103
Electrical engineering	1,062	512	212	32	66	9	9	124	1	59	0	279	114	138	27	0	16	255
Engineering science	233	148	39	25	28	2	12	27	1	14	0	77	46	18	13	0	2	6
Industrial engineering	121	35	10	2	3	0	1	11	0	8	0	47	29	14	4	0	11	28
Mechanical engineering	896	407	115	75	47	13	20	96	0	41	0	254	117	97	40	0	14	221
Metallurgical/materials engineering	861	462	132	105	30	4	6	102	5	78	0	281	91	158	32	0	2	116
Mining engineering	4	0	0	0	0	0	0	0	0	0	0	4	3	1	0	0	0	0
Nuclear engineering	109	53	2	34	8	0	0	3	0	6	0	35	10	24	1	0	0	21
Petroleum engineering	35	7	0	7	0	0	0	0	0	0	0	28	8	18	2	0	0	0
Engineering, nec	338	228	44	81	21	2	4	32	0	44	0	87	47	32	8	0	8	15
Health	18,698	8,859	312	20	7,552	267	17	42	45	604	0	6,149	3,166	2,629	354	0	186	3,504
Clinical medicine	16,279	7,636	261	15	6,587	216	16	29	17	495	0	5,363	2,764	2,276	323	0	167	3,113
Anesthesiology	405	149	2	0	138	0	1	0	0	8	0	152	82	51	19	0	0	104
Cardiology	702	341	1	0	307	23	2	1	0	7	0	273	138	105	30	0	1	87
Endocrinology	416	206	5	0	189	1	0	1	0	10	0	158	45	89	24	0	10	42
Gastroenterology	341	142	5	0	129	3	0	0	0	5	0	105	58	35	12	0	4	90
Hematology	339	170	7	0	157	4	0	1	0	1	0	134	51	73	10	0	0	35

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Neurology ^a	1,044	414	9	0	369	1	0	0	0	35	0	341	162	151	28	0	0	289
Obstetrics/gynecology	327	128	7	0	113	1	0	1	2	4	0	121	72	44	5	0	1	77
Oncology/cancer research	1,875	927	56	2	801	22	6	1	0	39	0	773	352	382	39	0	29	146
Ophthalmology	466	185	6	0	163	5	0	0	0	11	0	190	109	78	3	0	16	75
Otorhinolaryngology	160	100	0	0	98	0	0	0	0	2	0	53	23	20	10	0	0	7
Pediatrics	1,434	686	17	0	556	68	1	3	12	29	0	584	356	205	23	0	5	159
Preventive medicine/community health	658	347	8	4	277	20	2	5	2	29	0	158	93	62	3	0	3	150
Psychiatry	995	608	11	0	467	6	2	4	0	118	0	242	111	122	9	0	21	124
Pulmonary disease	301	161	0	0	138	7	1	0	0	15	0	102	72	20	10	0	0	38
Radiology	987	463	13	7	433	0	0	1	0	9	0	359	183	157	19	0	12	153
Surgery	1,259	522	47	1	433	4	1	1	0	35	0	480	274	173	33	0	14	243
Clinical medicine, nec	4,570	2,087	67	1	1,819	51	0	10	1	138	0	1,138	583	509	46	0	51	1,294
Other health	2,419	1,223	51	5	965	51	1	13	28	109	0	786	402	353	31	0	19	391
Dental sciences	377	231	7	0	202	5	0	0	0	17	0	95	49	36	10	0	7	44
Nursing	78	49	2	0	32	6	0	0	0	9	0	21	16	5	0	0	1	7
Pharmaceutical sciences	1,059	461	27	5	358	19	0	4	1	47	0	306	148	145	13	0	10	282
Speech pathology/audiology	47	30	1	0	23	2	0	0	0	4	0	12	5	6	1	0	0	5
Veterinary sciences	444	208	2	0	150	11	0	6	26	13	0	200	137	57	6	0	1	35
Other health, nec	414	244	12	0	200	8	1	3	1	19	0	152	47	104	1	0	0	18

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; nec = not elsewhere classified; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = U.S. Department of Agriculture.

^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/>. 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.