

TABLE 39. Postdoctoral appointees in science, engineering, and health in all institutions, by detailed field and primary source of support: 2010

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	63,415	32,804	2,374	1,913	19,309	687	614	3,907	629	2,894	477	17,862	8,840	7,302	1,463	257	396	12,353
Science and engineering	44,051	24,367	2,034	1,893	12,270	437	593	3,859	592	2,232	457	12,040	5,988	4,686	1,125	241	263	7,381
Science	37,095	20,766	1,197	1,236	11,542	388	495	3,154	556	1,741	457	10,019	5,004	3,925	849	241	205	6,105
Agricultural sciences	1,195	631	15	34	49	8	1	108	278	138	0	514	301	189	24	0	17	33
Biological sciences	21,537	12,578	415	203	9,336	226	46	900	236	759	457	5,386	2,445	2,273	427	241	83	3,490
Anatomy	437	228	2	0	202	10	0	6	0	8	0	59	32	17	10	0	0	150
Biochemistry	2,533	1,507	34	24	1,112	46	6	75	7	72	131	627	282	235	38	72	6	393
Biology	2,555	1,420	38	34	914	20	7	314	17	76	0	799	377	313	109	0	4	332
Biometry/epidemiology	466	312	8	0	260	23	0	8	0	13	0	103	46	43	14	0	3	48
Biophysics	240	160	3	3	126	0	0	6	0	22	0	63	24	39	0	0	0	17
Botany	603	308	2	32	28	4	6	141	80	15	0	160	112	46	2	0	7	128
Cell biology	2,796	1,474	37	6	1,168	9	7	62	6	78	101	808	324	376	54	54	10	504
Ecology	238	107	1	1	16	0	1	58	5	25	0	80	62	18	0	0	3	48
Entomology/parasitology	233	136	5	3	29	7	0	18	58	16	0	71	45	20	6	0	4	22
Genetics	1,389	751	14	6	554	4	0	33	9	69	62	397	176	147	36	38	7	234
Microbiology/immunology/virology	2,374	1,557	55	29	1,270	36	0	43	8	43	73	516	236	229	36	15	6	295
Nutrition	219	127	4	1	83	1	0	1	27	10	0	70	47	22	1	0	3	19
Pathology	1,797	968	37	0	821	6	9	2	1	54	38	412	194	143	45	30	8	409
Pharmacology	1,656	1,053	64	2	880	20	1	8	0	78	0	330	145	155	30	0	4	269
Physiology	1,448	884	33	0	776	23	3	10	4	35	0	332	109	196	27	0	2	230
Zoology	76	57	4	2	20	0	2	15	6	8	0	17	9	7	1	0	2	0
Biological sciences, nec	2,477	1,529	74	60	1,077	17	4	100	8	137	52	542	225	267	18	32	14	392
Communication <sup>a</sup>	60	20	6	0	11	1	0	2	0	0	0	31	17	9	5	0	0	9
Computer sciences	748	448	106	24	54	6	10	195	2	51	0	204	90	90	24	0	7	89
Earth, atmospheric, and ocean sciences	1,760	806	59	55	19	3	141	316	14	199	0	541	326	163	52	0	9	404
Atmospheric sciences	184	127	5	12	2	0	17	43	1	47	0	56	20	27	9	0	0	1
Geosciences	601	328	9	35	0	0	73	151	5	55	0	203	123	60	20	0	6	64
Oceanography	332	201	25	1	12	2	9	90	3	59	0	125	45	62	18	0	1	5
Earth/atmospheric/ocean sciences, nec	643	150	20	7	5	1	42	32	5	38	0	157	138	14	5	0	2	334
Family and consumer sciences/human sciences <sup>a</sup>	30	12	1	0	5	4	0	1	0	1	0	8	6	2	0	0	0	10
Mathematical sciences	756	300	51	17	49	2	2	162	1	16	0	319	253	51	15	0	7	130
Mathematics/applied mathematics	680	259	46	17	23	2	2	154	1	14	0	307	245	50	12	0	7	107
Statistics	76	41	5	0	26	0	0	8	0	2	0	12	8	1	3	0	0	23

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Field	Federal											Nonfederal					Self-support	Unknown/not reported
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Multidisciplinary/interdisciplinary studies <sup>a</sup>	765	332	38	46	127	3	1	62	2	53	0	181	94	76	11	0	8	244
Neuroscience <sup>a</sup>	818	465	58	0	352	13	0	11	0	31	0	197	59	115	23	0	1	155
Physical sciences	7,703	4,348	408	853	1,060	78	282	1,291	10	366	0	2,015	1,048	762	205	0	38	1,302
Astronomy	532	319	8	15	0	0	123	114	0	59	0	113	50	55	8	0	6	94
Chemistry	4,241	2,280	202	286	950	75	19	598	6	144	0	1,277	616	521	140	0	20	664
Physics	2,628	1,631	182	535	102	3	131	516	4	158	0	592	369	168	55	0	12	393
Physical sciences, nec	302	118	16	17	8	0	9	63	0	5	0	33	13	18	2	0	0	151
Psychology	1,077	633	33	0	424	33	2	58	0	83	0	297	147	98	52	0	20	127
Clinical psychology	123	69	0	0	48	2	0	0	0	19	0	20	15	5	0	0	13	21
Psychology, general	634	360	15	0	244	18	0	42	0	41	0	181	79	66	36	0	5	88
Psychology, nec	320	204	18	0	132	13	2	16	0	23	0	96	53	27	16	0	2	18
Social sciences	646	193	7	4	56	11	10	48	13	44	0	326	218	97	11	0	15	112
Agricultural economics	44	18	0	1	0	0	0	0	10	7	0	18	12	6	0	0	1	7
Anthropology (cultural/social)	83	15	0	0	1	0	0	8	0	6	0	44	33	9	2	0	7	17
Economics (except agricultural)	47	1	0	0	1	0	0	0	0	0	0	28	17	11	0	0	1	17
Geography	62	33	1	0	1	0	8	13	3	7	0	17	10	6	1	0	0	12
History and philosophy of science	13	2	0	0	0	0	0	0	0	2	0	5	4	1	0	0	0	6
Linguistics	27	10	0	0	3	1	0	6	0	0	0	9	8	0	1	0	0	8
Political science	85	19	5	0	3	0	0	3	0	8	0	56	34	21	1	0	0	10
Sociology	81	37	0	1	23	1	1	10	0	1	0	34	27	5	2	0	0	10
Sociology/anthropology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Social sciences, nec	204	58	1	2	24	9	1	8	0	13	0	115	73	38	4	0	6	25
Engineering	6,956	3,601	837	657	728	49	98	705	36	491	0	2,021	984	761	276	0	58	1,276
Aerospace engineering	191	111	47	13	3	0	10	10	0	28	0	46	19	19	8	0	6	28
Agricultural engineering	119	66	5	5	8	1	0	9	24	14	0	48	33	15	0	0	4	1
Architecture <sup>a</sup>	10	2	0	0	0	0	0	2	0	0	0	7	5	0	2	0	0	1
Biomedical engineering	1,036	555	48	16	397	13	2	49	0	30	0	191	100	72	19	0	7	283
Chemical engineering	1,092	497	79	137	85	11	8	115	3	59	0	381	164	156	61	0	0	214
Civil engineering <sup>a</sup>	570	214	26	32	10	1	14	50	4	77	0	266	157	73	36	0	5	85
Electrical engineering	1,097	537	224	53	74	3	8	119	0	56	0	298	151	114	33	0	6	256
Engineering science	243	162	42	35	21	0	10	37	0	17	0	70	34	20	16	0	2	9
Industrial engineering	163	72	10	10	14	6	2	17	0	13	0	39	22	10	7	0	17	35
Mechanical engineering	1,009	573	162	95	57	6	29	127	2	95	0	252	124	95	33	0	2	182
Metallurgical/materials engineering	835	467	131	112	39	2	8	112	1	62	0	268	103	130	35	0	4	96
Mining engineering	6	1	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	4
Nuclear engineering	107	74	4	50	6	0	1	4	0	9	0	20	6	13	1	0	0	13
Petroleum engineering	46	7	0	7	0	0	0	0	0	0	0	36	13	18	5	0	0	3
Engineering, nec	432	263	59	91	14	6	6	54	2	31	0	98	52	26	20	0	5	66
Health	19,364	8,437	340	20	7,039	250	21	48	37	662	20	5,822	2,852	2,616	338	16	133	4,972

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Clinical medicine	16,610	7,104	303	20	5,972	195	14	24	12	561	3	5,148	2,493	2,352	303	0	113	4,245
Anesthesiology	477	182	3	0	167	1	0	0	0	11	0	120	49	66	5	0	1	174
Cardiology	700	292	1	0	270	17	0	0	1	3	0	258	161	54	43	0	0	150
Endocrinology	457	214	4	0	205	3	0	0	0	2	0	174	42	97	35	0	1	68
Gastroenterology	320	161	1	0	134	0	0	0	0	26	0	74	57	9	8	0	0	85
Hematology	352	156	9	0	143	1	0	0	0	3	0	142	73	62	7	0	0	54
Neurology <sup>a</sup>	1,328	505	9	0	454	5	0	6	0	31	0	417	182	208	27	0	2	404
Obstetrics/gynecology	333	110	3	0	97	0	0	0	1	9	0	124	67	51	6	0	0	99
Oncology/cancer research	1,903	1,014	79	2	849	8	6	2	0	68	0	738	304	398	36	0	33	118
Ophthalmology	523	181	6	0	160	0	0	1	0	14	0	140	61	73	6	0	13	189
Otorhinolaryngology	140	83	2	0	79	0	0	0	0	2	0	34	20	7	7	0	2	21
Pediatrics	1,209	577	7	0	475	30	2	1	8	54	0	480	249	215	16	0	3	149
Preventive medicine/community health	580	307	5	2	240	31	1	5	2	18	3	152	82	68	2	0	8	113
Psychiatry	1,066	549	5	0	410	5	1	0	0	128	0	221	119	88	14	0	7	289
Pulmonary disease	287	150	0	0	140	1	0	1	0	8	0	80	41	33	6	0	0	57
Radiology	1,034	455	17	15	385	20	2	1	0	15	0	310	116	182	12	0	3	266
Surgery	1,257	478	58	0	390	3	0	1	0	26	0	469	207	235	27	0	11	299
Clinical medicine, nec	4,644	1,690	94	1	1,374	70	2	6	0	143	0	1,215	663	506	46	0	29	1,710
Other health	2,754	1,333	37	0	1,067	55	7	24	25	101	17	674	359	264	35	16	20	727
Dental sciences	358	242	9	0	186	7	0	0	0	23	17	75	35	14	12	14	0	41
Nursing	55	29	0	0	21	3	0	0	0	5	0	9	7	2	0	0	4	13
Pharmaceutical sciences	1,102	469	14	0	394	15	0	13	1	32	0	240	133	95	12	0	6	387
Speech pathology/audiology	54	37	0	0	29	0	0	3	0	5	0	12	6	4	2	0	0	5
Veterinary sciences	464	243	3	0	179	11	6	5	24	15	0	188	124	61	3	0	4	29
Other health, nec	721	313	11	0	258	19	1	3	0	21	0	150	54	88	6	2	6	252

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.

<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.

NOTES: 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>. 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 because of lack of historical data.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering, 2010.