

TABLE G-2. S&amp;E postdoctoral fellows, by field and sex: 1999–2006

Field and sex	1999	2000	2001	2002	2003	2004	2005	2006
All fields	Number							
S&E	28,980	30,224	30,196	31,937	33,666	34,065	34,456	34,813
Sciences	25,784	26,911	27,044	28,371	29,856	30,116	30,290	30,187
Agricultural sciences	750	822	833	963	1,054	959	1,007	927
Biological sciences	16,097	16,734	17,032	17,640	18,625	18,716	18,747	18,797
Anatomy	497	428	413	423	471	477	417	377
Biochemistry	2,485	2,469	2,552	2,746	2,628	2,526	2,553	2,416
Biology	1,892	1,937	1,962	2,047	2,080	1,962	2,011	2,309
Biometry/epidemiology	181	125	152	231	244	238	259	300
Biophysics	266	164	187	233	195	218	191	224
Botany	559	518	563	572	560	571	590	636
Cell/molecular biology	2,237	2,241	2,145	2,297	2,348	2,333	2,445	2,407
Ecology	123	152	161	186	189	170	187	192
Entomology/parasitology	178	197	221	234	255	289	281	241
Genetics	796	795	883	926	1,037	941	1,031	851
Microbiology, immunology, and virology	2,158	2,253	2,192	2,447	2,346	2,151	2,258	2,150
Nutrition	238	224	251	233	249	280	306	259
Pathology	1,321	1,757	1,803	1,837	1,944	1,827	1,400	1,587
Pharmacology	1,512	1,461	1,382	1,360	1,498	1,530	1,514	1,436
Physiology	1,132	1,140	1,193	1,165	1,249	1,279	1,296	1,261
Zoology	138	104	82	83	77	100	134	103
Other	384	769	890	620	1,255	1,824	1,874	2,048
Computer sciences	334	344	336	356	355	384	406	458
Earth, atmospheric, and ocean sciences	925	1,155	1,049	1,129	1,182	1,263	1,364	1,493
Atmospheric	107	94	100	94	109	128	123	128
Earth	479	514	471	444	463	507	521	540
Ocean	235	246	218	270	250	300	347	346
Other	104	301	260	321	360	328	373	479
Mathematics and statistics	351	385	353	395	449	468	500	574
Mathematics/applied mathematics	321	357	329	365	407	420	443	507
Statistics	30	28	24	30	42	48	57	67
Physical sciences	6,157	6,270	6,223	6,619	6,829	7,059	7,011	6,674
Astronomy	375	315	311	330	319	367	388	360
Chemistry	3,836	3,877	3,864	3,990	4,147	4,338	4,216	4,044
Physics	1,862	1,948	1,912	2,155	2,202	2,138	2,208	2,102
Other	84	130	136	144	161	216	199	168
Psychology	716	730	809	815	960	902	884	870
Clinical	70	73	81	68	72	67	64	62
General	412	411	498	532	634	598	579	534
Nonclinical	234	246	230	215	254	237	241	274
Social sciences	454	471	409	454	402	365	371	394
Agricultural economics	43	41	34	21	25	34	40	36
Anthropology (cultural and social)	87	73	56	66	57	54	65	61
Economics	31	32	23	29	36	20	13	16
Geography	30	34	36	30	29	31	42	63
History and philosophy of science	10	14	9	13	14	6	9	8
Linguistics	15	19	17	22	29	29	24	25
Political science and public administration	70	50	52	61	51	44	42	62
Sociology	104	102	92	109	76	77	63	43
Other	64	106	90	103	85	70	73	80
Engineering	3,196	3,313	3,152	3,566	3,810	3,949	4,166	4,626
Aerospace	128	111	128	140	141	141	153	165
Agricultural	62	56	58	65	85	79	89	116
Biomedical	242	220	262	284	388	425	477	591
Chemical	671	703	574	758	686	689	702	722
Civil	299	295	268	342	300	313	384	462
Electrical	548	525	436	613	646	654	689	716
Engineering science/physics	122	163	162	169	180	180	168	224
Industrial/manufacturing	27	48	21	43	45	50	51	51

TABLE G-2. S&E postdoctoral fellows, by field and sex: 1999–2006

Field and sex	1999	2000	2001	2002	2003	2004	2005	2006
Mechanical	476	480	501	441	543	514	562	642
Metallurgical/materials	421	507	479	507	539	567	578	571
Mining	6	8	14	10	12	9	8	11
Nuclear	30	40	77	26	49	67	41	85
Petroleum	19	20	17	15	17	14	13	18
Other	145	137	155	153	179	247	251	252
Female								
S&E	8,708	8,928	9,255	10,130	10,784	10,985	11,229	11,516
Sciences	8,239	8,455	8,769	9,527	10,181	10,281	10,499	10,691
Agricultural sciences	205	239	253	318	363	326	336	311
Biological sciences	6,070	6,237	6,445	6,866	7,325	7,395	7,559	7,686
Anatomy	191	146	150	181	195	212	184	167
Biochemistry	888	865	907	1,015	988	928	923	914
Biology	693	717	708	778	795	741	773	905
Biometry/epidemiology	98	72	84	104	130	127	136	145
Biophysics	64	45	54	74	63	74	64	69
Botany	170	155	179	211	212	210	236	242
Cell/molecular biology	857	878	844	886	923	900	966	947
Ecology	37	47	54	65	66	57	72	75
Entomology/parasitology	47	53	56	60	66	85	85	64
Genetics	310	307	359	381	432	388	437	356
Microbiology, immunology, and virology	937	945	921	1,061	1,004	865	965	901
Nutrition	83	94	110	111	119	127	145	134
Pathology	502	653	674	735	750	703	577	686
Pharmacology	590	556	547	534	595	616	590	592
Physiology	405	413	443	411	461	505	517	522
Zoology	63	29	25	29	24	40	54	37
Other	135	262	330	230	502	817	835	930
Computer sciences	58	40	48	50	58	79	71	88
Earth, atmospheric, ocean sciences	219	292	289	332	352	365	404	443
Atmospheric	20	21	28	33	28	30	33	33
Earth	109	114	121	126	136	138	146	152
Ocean	70	81	78	96	85	110	118	115
Other	20	76	62	77	103	87	107	143
Mathematics and statistics	73	51	64	77	87	106	108	125
Mathematics/applied mathematics	66	44	57	66	75	93	90	107
Statistics	7	7	7	11	12	13	18	18
Physical sciences	1,045	1,044	1,084	1,237	1,313	1,387	1,417	1,400
Astronomy	58	49	55	66	70	69	79	81
Chemistry	778	773	810	885	942	992	988	978
Physics	199	208	199	266	279	294	319	311
Other	10	14	20	20	22	32	31	30
Psychology	373	357	413	426	482	458	433	457
Clinical	54	51	60	49	46	45	41	48
General	194	180	243	264	321	299	262	260
Nonclinical	125	126	110	113	115	114	130	149
Social sciences	196	195	173	221	201	165	171	181
Agricultural economics	10	11	9	4	6	7	10	11
Anthropology (cultural and social)	40	35	23	38	31	18	34	36
Economics	5	8	6	11	13	8	3	2
Geography	11	8	8	12	10	11	10	18
History and philosophy of science	5	6	3	5	4	3	2	4
Linguistics	9	7	10	12	13	12	14	14
Political science and public administration	22	15	14	17	20	25	20	25
Sociology	63	53	52	64	53	49	42	29
Other	31	52	48	58	51	32	36	42

TABLE G-2. S&amp;E postdoctoral fellows, by field and sex: 1999–2006

Field and sex	1999	2000	2001	2002	2003	2004	2005	2006
Engineering	469	473	486	603	603	704	730	825
Aerospace	15	10	14	17	15	16	24	26
Agricultural	8	7	6	10	16	14	20	20
Biomedical	64	66	73	81	107	128	135	169
Chemical	119	116	111	158	134	143	135	138
Civil	55	55	49	67	58	81	79	102
Electrical	67	51	48	55	77	86	89	75
Engineering science/physics	17	26	23	29	31	30	22	28
Industrial/manufacturing	5	8	4	15	9	12	9	15
Mechanical	34	38	43	46	39	59	60	68
Metallurgical/materials	69	76	79	86	69	90	106	109
Mining	0	1	1	0	1	0	1	3
Nuclear	2	3	5	1	7	10	8	16
Petroleum	0	1	2	1	2	1	2	5
Other	14	15	28	37	38	34	40	51
Male								
S&E	20,272	21,296	20,941	21,807	22,882	23,080	23,227	23,297
Sciences	17,545	18,456	18,275	18,844	19,675	19,835	19,791	19,496
Agricultural sciences	545	583	580	645	691	633	671	616
Biological sciences	10,027	10,497	10,587	10,774	11,300	11,321	11,188	11,111
Anatomy	306	282	263	242	276	265	233	210
Biochemistry	1,597	1,604	1,645	1,731	1,640	1,598	1,630	1,502
Biology	1,199	1,220	1,254	1,269	1,285	1,221	1,238	1,404
Biometry/epidemiology	83	53	68	127	114	111	123	155
Biophysics	202	119	133	159	132	144	127	155
Botany	389	363	384	361	348	361	354	394
Cell/molecular biology	1,380	1,363	1,301	1,411	1,425	1,433	1,479	1,460
Ecology	86	105	107	121	123	113	115	117
Entomology/parasitology	131	144	165	174	189	204	196	177
Genetics	486	488	524	545	605	553	594	495
Microbiology, immunology, and virology	1,221	1,308	1,271	1,386	1,342	1,286	1,293	1,249
Nutrition	155	130	141	122	130	153	161	125
Pathology	819	1,104	1,129	1,102	1,194	1,124	823	901
Pharmacology	922	905	835	826	903	914	924	844
Physiology	727	727	750	754	788	774	779	739
Zoology	75	75	57	54	53	60	80	66
Other	249	507	560	390	753	1,007	1,039	1,118
Computer sciences	276	304	288	306	297	305	335	370
Earth, atmospheric, and ocean sciences	706	863	760	797	830	898	960	1,050
Atmospheric	87	73	72	61	81	98	90	95
Earth	370	400	350	318	327	369	375	388
Ocean	165	165	140	174	165	190	229	231
Other	84	225	198	244	257	241	266	336
Mathematics and statistics	278	334	289	318	362	362	392	449
Mathematics/applied mathematics	255	313	272	299	332	327	353	400
Statistics	23	21	17	19	30	35	39	49
Physical sciences	5,112	5,226	5,139	5,382	5,516	5,672	5,594	5,274
Astronomy	317	266	256	264	249	298	309	279
Chemistry	3,058	3,104	3,054	3,105	3,205	3,346	3,228	3,066
Physics	1,663	1,740	1,713	1,889	1,923	1,844	1,889	1,791
Other	74	116	116	124	139	184	168	138
Psychology	343	373	396	389	478	444	451	413
Clinical	16	22	21	19	26	22	23	14
General	218	231	255	268	313	299	317	274
Nonclinical	109	120	120	102	139	123	111	125
Social sciences	258	276	236	233	201	200	200	213
Agricultural economics	33	30	25	17	19	27	30	25
Anthropology (cultural and social)	47	38	33	28	26	36	31	25
Economics	26	24	17	18	23	12	10	14

TABLE G-2. S&amp;E postdoctoral fellows, by field and sex: 1999–2006

Field and sex	1999	2000	2001	2002	2003	2004	2005	2006
Geography	19	26	28	18	19	20	32	45
History and philosophy of science	5	8	6	8	10	3	7	4
Linguistics	6	12	7	10	16	17	10	11
Political science and public administration	48	35	38	44	31	19	22	37
Sociology	41	49	40	45	23	28	21	14
Other	33	54	42	45	34	38	37	38
Engineering	2,727	2,840	2,666	2,963	3,207	3,245	3,436	3,801
Aerospace	113	101	114	123	126	125	129	139
Agricultural	54	49	52	55	69	65	69	96
Biomedical	178	154	189	203	281	297	342	422
Chemical	552	587	463	600	552	546	567	584
Civil	244	240	219	275	242	232	305	360
Electrical	481	474	388	558	569	568	600	641
Engineering science/physics	105	137	139	140	149	150	146	196
Industrial/manufacturing	22	40	17	28	36	38	42	36
Mechanical	442	442	458	395	504	455	502	574
Metallurgical/materials	352	431	400	421	470	477	472	462
Mining	6	7	13	10	11	9	7	8
Nuclear	28	37	72	25	42	57	33	69
Petroleum	19	19	15	14	15	13	11	13
Other	131	122	127	116	141	213	211	201
	Percent female							
S&E	30.0	29.5	30.6	31.7	32.0	32.2	32.6	33.1
Sciences	32.0	31.4	32.4	33.6	34.1	34.1	34.7	35.4
Agricultural sciences	27.3	29.1	30.4	33.0	34.4	34.0	33.4	33.5
Biological sciences	37.7	37.3	37.8	38.9	39.3	39.5	40.3	40.9
Anatomy	38.4	34.1	36.3	42.8	41.4	44.4	44.1	44.3
Biochemistry	35.7	35.0	35.5	37.0	37.6	36.7	36.2	37.8
Biology	36.6	37.0	36.1	38.0	38.2	37.8	38.4	39.2
Biometry/epidemiology	54.1	57.6	55.3	45.0	53.3	53.4	52.5	48.3
Biophysics	24.1	27.4	28.9	31.8	32.3	33.9	33.5	30.8
Botany	30.4	29.9	31.8	36.9	37.9	36.8	40.0	38.1
Cell/molecular biology	38.3	39.2	39.3	38.6	39.3	38.6	39.5	39.3
Ecology	30.1	30.9	33.5	34.9	34.9	33.5	38.5	39.1
Entomology/parasitology	26.4	26.9	25.3	25.6	25.9	29.4	30.2	26.6
Genetics	38.9	38.6	40.7	41.1	41.7	41.2	42.4	41.8
Microbiology, immunology, and virology	43.4	41.9	42.0	43.4	42.8	40.2	42.7	41.9
Nutrition	34.9	42.0	43.8	47.6	47.8	45.4	47.4	51.7
Pathology	38.0	37.2	37.4	40.0	38.6	38.5	41.2	43.2
Pharmacology	39.0	38.1	39.6	39.3	39.7	40.3	39.0	41.2
Physiology	35.8	36.2	37.1	35.3	36.9	39.5	39.9	41.4
Zoology	45.7	27.9	30.5	34.9	31.2	40.0	40.3	35.9
Other	35.2	34.1	37.1	37.1	40.0	44.8	44.6	45.4
Computer sciences	17.4	11.6	14.3	14.0	16.3	20.6	17.5	19.2
Earth, atmospheric, and ocean sciences	23.7	25.3	27.6	29.4	29.8	28.9	29.6	29.7
Atmospheric	18.7	22.3	28.0	35.1	25.7	23.4	26.8	25.8
Earth	22.8	22.2	25.7	28.4	29.4	27.2	28.0	28.1
Ocean	29.8	32.9	35.8	35.6	34.0	36.7	34.0	33.2
Other	19.2	25.2	23.8	24.0	28.6	26.5	28.7	29.9
Mathematics and statistics	20.8	13.2	18.1	19.5	19.4	22.6	21.6	21.8
Mathematics/applied mathematics	20.6	12.3	17.3	18.1	18.4	22.1	20.3	21.1
Statistics	23.3	25.0	29.2	36.7	28.6	27.1	31.6	26.9
Physical sciences	17.0	16.7	17.4	18.7	19.2	19.6	20.2	21.0
Astronomy	15.5	15.6	17.7	20.0	21.9	18.8	20.4	22.5
Chemistry	20.3	19.9	21.0	22.2	22.7	22.9	23.4	24.2
Physics	10.7	10.7	10.4	12.3	12.7	13.8	14.4	14.8
Other	11.9	10.8	14.7	13.9	13.7	14.8	15.6	17.9

TABLE G-2. S&E postdoctoral fellows, by field and sex: 1999–2006

Field and sex	1999	2000	2001	2002	2003	2004	2005	2006
Psychology	52.1	48.9	51.1	52.3	50.2	50.8	49.0	52.5
Clinical	77.1	69.9	74.1	72.1	63.9	67.2	64.1	77.4
General	47.1	43.8	48.8	49.6	50.6	50.0	45.3	48.7
Nonclinical	53.4	51.2	47.8	52.6	45.3	48.1	53.9	54.4
Social sciences	43.2	41.4	42.3	48.7	50.0	45.2	46.1	45.9
Agricultural economics	23.3	26.8	26.5	19.0	24.0	20.6	25.0	30.6
Anthropology (cultural and social)	46.0	47.9	41.1	57.6	54.4	33.3	52.3	59.0
Economics	16.1	25.0	26.1	37.9	36.1	40.0	23.1	12.5
Geography	36.7	23.5	22.2	40.0	34.5	35.5	23.8	28.6
History and philosophy of science	50.0	42.9	33.3	38.5	28.6	50.0	22.2	50.0
Linguistics	60.0	36.8	58.8	54.5	44.8	41.4	58.3	56.0
Political science and public administration	31.4	30.0	26.9	27.9	39.2	56.8	47.6	40.3
Sociology	60.6	52.0	56.5	58.7	69.7	63.6	66.7	67.4
Other	48.4	49.1	53.3	56.3	60.0	45.7	49.3	52.5
Engineering	14.7	14.3	15.4	16.9	15.8	17.8	17.5	17.8
Aerospace	11.7	9.0	10.9	12.1	10.6	11.3	15.7	15.8
Agricultural	12.9	12.5	10.3	15.4	18.8	17.7	22.5	17.2
Biomedical	26.4	30.0	27.9	28.5	27.6	30.1	28.3	28.6
Chemical	17.7	16.5	19.3	20.8	19.5	20.8	19.2	19.1
Civil	18.4	18.6	18.3	19.6	19.3	25.9	20.6	22.1
Electrical	12.2	9.7	11.0	9.0	11.9	13.1	12.9	10.5
Engineering science/physics	13.9	16.0	14.2	17.2	17.2	16.7	13.1	12.5
Industrial/manufacturing	18.5	16.7	19.0	34.9	20.0	24.0	17.6	29.4
Mechanical	7.1	7.9	8.6	10.4	7.2	11.5	10.7	10.6
Metallurgical/materials	16.4	15.0	16.5	17.0	12.8	15.9	18.3	19.1
Mining	0.0	12.5	7.1	0.0	8.3	0.0	12.5	27.3
Nuclear	6.7	7.5	6.5	3.8	14.3	14.9	19.5	18.8
Petroleum	0.0	5.0	11.8	6.7	11.8	7.1	15.4	27.8
Other	9.7	10.9	18.1	24.2	21.2	13.8	15.9	20.2

S&E = science and engineering.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1999–2006.