

TABLE D-12. Primary source of support for full-time S&E graduate students, by sex and field: 2006

Sex and field	All sources	Federal support										Other outside support			Self-support		
		Total	DOD	DOE	HHS			NASA	NSF	USDA	Other	Institutional support	United States				
					Total	NIH	Other						Total	Foreign			
Both sexes																	
S&E	349,802	74,327	8,502	4,453	24,381	23,330	1,051	2,350	20,056	2,902	11,683	145,596	24,858	22,386	2,472	105,021	
Science	261,984	53,029	3,160	2,510	21,900	20,984	916	1,301	13,132	2,570	8,456	114,849	15,099	13,475	1,624	79,007	
Agricultural sciences	9,478	2,282	25	42	78	67	11	42	216	1,169	710	4,079	1,297	1,218	79	1,820	
Biological sciences	58,918	22,204	370	214	16,626	16,117	509	81	2,228	907	1,778	23,846	4,229	3,940	289	8,639	
Anatomy	899	300	5	0	245	243	2	1	14	6	29	375	49	33	16	175	
Biochemistry	5,433	2,733	44	36	2,259	2,170	89	5	193	33	163	1,838	428	410	18	434	
Biology	12,413	2,806	67	31	1,467	1,448	19	17	795	60	369	6,801	761	709	52	2,045	
Biometry/epidemiology	3,495	1,262	12	5	1,132	1,072	60	0	23	4	86	897	234	216	18	1,102	
Biophysics	1,145	592	6	22	473	465	8	3	60	1	27	352	125	118	7	76	
Botany	1,655	536	4	23	35	34	1	5	202	189	78	835	164	153	11	120	
Cell/molecular biology	6,188	3,172	53	15	2,735	2,604	131	14	147	20	188	2,095	475	454	21	446	
Ecology	1,602	367	1	3	39	35	4	6	169	30	119	951	89	85	4	195	
Entomology/parasitology	947	270	7	1	20	15	5	0	46	151	45	494	122	118	4	61	
Genetics	2,060	1,048	15	5	898	871	27	1	62	33	34	592	158	150	8	262	
Microbiology, immunology, and virology	5,015	2,624	52	30	2,292	2,241	51	11	103	37	99	1,676	370	351	19	345	
Nutrition	3,441	628	7	0	224	202	22	6	14	284	93	1,296	308	286	22	1,209	
Pathology	1,400	528	22	0	441	423	18	1	13	11	40	450	135	85	50	287	
Pharmacology	2,818	1,527	27	4	1,373	1,364	9	2	33	4	84	914	214	204	10	163	
Physiology	2,195	843	7	0	665	655	10	3	22	1	145	700	109	104	5	543	
Zoology	994	262	8	2	43	41	2	3	99	8	99	595	71	71	0	66	
Other	7,218	2,706	33	37	2,285	2,234	51	3	233	35	80	2,985	417	393	24	1,110	
Computer sciences	28,760	5,025	1,197	164	311	268	43	86	2,714	33	520	9,032	1,651	1,442	209	13,052	
Earth, atmospheric, and ocean sciences	11,431	3,316	132	117	64	55	9	417	1,544	71	971	4,934	1,062	983	79	2,119	
Atmospheric	930	491	28	19	4	4	0	106	188	10	136	286	61	52	9	92	
Earth	5,497	1,511	38	75	9	8	1	206	850	27	306	2,824	436	390	46	726	
Ocean	2,231	836	49	10	14	12	2	44	355	12	352	775	303	293	10	317	
Other	2,773	478	17	13	37	31	6	61	151	22	177	1,049	262	248	14	984	
Mathematics and statistics	15,571	1,760	175	64	178	152	26	18	1,011	19	295	10,163	461	391	70	3,187	
Mathematics/applied mathematics	12,348	1,347	160	58	60	41	19	16	816	6	231	8,362	309	254	55	2,330	
Statistics	3,223	413	15	6	118	111	7	2	195	13	64	1,801	152	137	15	857	
Physical sciences	32,841	11,246	906	1,835	2,530	2,408	122	573	4,106	25	1,271	17,477	2,195	2,084	111	1,923	
Astronomy	1,158	526	3	20	21	21	0	199	232	0	51	500	99	91	8	33	
Chemistry	18,942	5,932	416	538	2,292	2,182	110	75	1,917	23	671	10,667	1,334	1,293	41	1,009	
Physics	12,439	4,756	486	1,276	213	201	12	297	1,941	2	541	6,204	759	698	61	720	
Other	302	32	1	1	4	4	0	2	16	0	8	106	3	2	1	161	
Psychology	38,994	3,559	152	32	1,737	1,600	137	13	417	11	1,197	14,167	1,562	1,510	52	19,706	
Clinical	10,168	759	28	10	357	326	31	0	7	0	357	2,716	529	515	14	6,164	
General	12,148	1,448	50	18	858	776	82	8	255	4	255	5,859	464	443	21	4,377	
Nonclinical	16,678	1,352	74	4	522	498	24	5	155	7	585	5,592	569	552	17	9,165	
Social sciences	65,991	3,637	203	42	376	317	59	71	896	335	1,714	31,151	2,642	1,907	735	28,561	
Agricultural economics	1,836	416	3	6	9	8	1	1	16	239	142	877	151	119	32	392	

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		Total	DOD	DOE	HHS			NASA	NSF	USDA	Other	Institutional support	United States			Foreign
					Total	NIH	Other						Total	States		
Anthropology (cultural and social)	6,219	411	4	2	28	23	5	0	191	0	186	3,569	197	174	23	2,042
Economics	10,018	375	16	4	28	27	1	0	143	30	154	6,042	449	228	221	3,152
Geography	3,158	418	17	9	15	13	2	61	144	21	151	1,721	134	122	12	885
History and philosophy of science	602	21	0	0	1	1	0	0	13	0	7	406	13	11	2	162
Linguistics	2,488	156	3	0	22	22	0	1	74	0	56	1,405	64	54	10	863
Political science and public administration	23,109	816	112	12	24	6	18	7	120	3	538	9,027	855	552	303	12,411
Sociology	7,261	505	5	0	210	187	23	0	130	37	123	4,549	255	242	13	1,952
Other	11,300	519	43	9	39	30	9	1	65	5	357	3,555	524	405	119	6,702
Engineering	87,818	21,298	5,342	1,943	2,481	2,346	135	1,049	6,924	332	3,227	30,747	9,759	8,911	848	26,014
Aerospace	3,374	1,157	540	42	17	15	2	318	139	1	100	977	395	347	48	845
Agricultural	893	268	15	9	7	4	3	16	21	149	51	400	106	97	9	119
Biomedical	5,666	1,807	99	25	1,245	1,234	11	10	280	5	143	1,840	637	622	15	1,382
Chemical	6,218	2,105	179	371	328	298	30	67	816	61	283	2,341	995	933	62	777
Civil	13,074	1,871	143	64	56	30	26	57	659	40	852	5,385	1,174	1,080	94	4,644
Electrical	27,379	5,985	1,937	245	421	394	27	217	2,488	21	656	8,622	2,646	2,446	200	10,126
Engineering science/physics	1,656	581	126	100	58	56	2	24	230	1	42	630	175	158	17	270
Industrial/manufacturing	6,421	896	321	46	65	54	11	21	281	9	153	2,324	550	473	77	2,651
Mechanical	12,666	3,240	781	393	187	171	16	217	1,096	11	555	4,893	1,529	1,370	159	3,004
Metallurgical/materials	4,627	1,628	369	318	58	57	1	52	661	6	164	1,589	815	755	60	595
Mining	181	29	1	14	1	1	0	0	2	1	10	90	12	11	1	50
Nuclear	910	338	48	208	8	8	0	9	5	0	60	337	102	89	13	133
Petroleum	647	64	1	51	0	0	0	0	5	1	6	208	248	192	56	127
Other	4,106	1,329	782	57	30	24	6	41	241	26	152	1,111	375	338	37	1,291
Female																
S&E	150,151	28,688	1,636	1,031	12,501	11,974	527	700	6,510	1,357	4,953	62,772	8,787	8,089	698	49,904
Science	129,469	23,923	805	663	11,727	11,232	495	496	4,788	1,251	4,193	55,217	6,674	6,136	538	43,655
Agricultural sciences	4,650	1,073	6	22	38	32	6	12	104	539	352	2,073	554	527	27	950
Biological sciences	32,715	12,081	207	109	9,049	8,762	287	43	1,203	507	963	13,282	2,093	1,962	131	5,259
Anatomy	450	150	4	0	120	119	1	0	6	4	16	204	22	16	6	74
Biochemistry	2,613	1,341	21	16	1,107	1,060	47	3	96	16	82	868	189	185	4	215
Biology	6,742	1,506	34	16	790	781	9	8	427	38	193	3,754	370	347	23	1,112
Biometry/epidemiology	2,203	785	10	1	708	663	45	0	9	3	54	574	129	120	9	715
Biophysics	387	208	0	7	168	163	5	0	24	0	9	124	34	32	2	21
Botany	870	283	2	14	19	18	1	4	100	95	49	444	72	69	3	71
Cell/molecular biology	3,323	1,707	31	6	1,479	1,404	75	9	85	7	90	1,129	247	236	11	240
Ecology	901	220	1	3	25	23	2	5	108	16	62	521	38	37	1	122
Entomology/parasitology	449	124	5	0	9	6	3	0	23	66	21	251	46	46	0	28
Genetics	1,258	629	11	5	543	531	12	1	36	19	14	345	83	79	4	201
Microbiology, immunology, and virology	2,873	1,489	32	15	1,284	1,258	26	6	64	24	64	980	191	178	13	213
Nutrition	2,658	456	5	0	179	165	14	4	11	191	66	991	214	200	14	997
Pathology	851	303	11	0	247	239	8	1	9	6	29	264	65	41	24	219
Pharmacology	1,554	851	13	3	759	753	6	0	17	0	59	509	104	100	4	90

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					Total	NIH	Other						Total	States		
Physiology	1,164	449	6	0	366	363	3	0	14	0	63	367	57	55	2	291
Zoology	515	140	3	0	23	22	1	1	56	2	55	309	28	28	0	38
Other	3,904	1,440	18	23	1,223	1,194	29	1	118	20	37	1,648	204	193	11	612
Computer sciences	6,807	932	165	29	71	60	11	20	539	11	97	2,103	351	311	40	3,421
Earth, atmospheric, and ocean sciences	5,394	1,537	49	43	40	33	7	200	720	23	462	2,298	483	454	29	1,076
Atmospheric	324	150	6	4	0	0	0	38	59	3	40	122	25	24	1	27
Earth	2,404	703	14	22	6	5	1	114	398	7	142	1,212	181	164	17	308
Ocean	1,187	438	22	8	10	8	2	23	188	2	185	432	142	139	3	175
Other	1,479	246	7	9	24	20	4	25	75	11	95	532	135	127	8	566
Mathematics and statistics	5,327	560	47	19	72	65	7	5	291	14	112	3,406	165	146	19	1,196
Mathematics/applied mathematics	3,849	378	37	18	12	11	1	5	219	3	84	2,579	84	72	12	808
Statistics	1,478	182	10	1	60	54	6	0	72	11	28	827	81	74	7	388
Physical sciences	10,513	3,427	198	403	1,015	965	50	182	1,219	7	403	5,819	628	595	33	639
Astronomy	393	183	1	2	4	4	0	70	92	0	14	164	36	31	5	10
Chemistry	7,553	2,314	126	196	957	911	46	27	729	7	272	4,372	461	444	17	406
Physics	2,422	914	71	205	53	49	4	85	389	0	111	1,236	129	118	11	143
Other	145	16	0	0	1	1	0	0	9	0	6	47	2	2	0	80
Psychology	29,171	2,482	78	23	1,195	1,106	89	10	259	9	908	10,207	1,168	1,134	34	15,314
Clinical	7,874	569	16	7	277	255	22	0	6	0	263	2,078	432	419	13	4,795
General	8,610	978	20	14	584	532	52	6	165	4	185	4,033	322	312	10	3,277
Nonclinical	12,687	935	42	2	334	319	15	4	88	5	460	4,096	414	403	11	7,242
Social sciences	34,892	1,831	55	15	247	209	38	24	453	141	896	16,029	1,232	1,007	225	15,800
Agricultural economics	782	163	1	1	4	3	1	1	9	94	53	414	67	53	14	138
Anthropology (cultural and social)	4,000	261	3	1	20	15	5	0	115	0	122	2,286	126	114	12	1,327
Economics	3,530	123	4	2	8	7	1	0	49	12	48	2,111	129	76	53	1,167
Geography	1,367	171	7	3	7	6	1	18	58	7	71	759	61	57	4	376
History and philosophy of science	267	11	0	0	1	1	0	0	8	0	2	187	8	7	1	61
Linguistics	1,575	92	0	0	11	11	0	1	42	0	38	870	34	29	5	579
Political science and public administration	11,969	402	30	5	13	4	9	4	63	2	285	4,447	381	289	92	6,739
Sociology	4,603	328	3	0	157	142	15	0	79	24	65	2,855	174	169	5	1,246
Other	6,799	280	7	3	26	20	6	0	30	2	212	2,100	252	213	39	4,167
Engineering	20,682	4,765	831	368	774	742	32	204	1,722	106	760	7,555	2,113	1,953	160	6,249
Aerospace	525	164	61	5	5	5	0	43	35	0	15	170	59	52	7	132
Agricultural	302	112	8	5	5	2	3	6	11	58	19	120	34	31	3	36
Biomedical	2,210	663	32	7	455	451	4	4	111	3	51	754	232	226	6	561
Chemical	1,852	627	40	87	108	97	11	19	271	18	84	699	290	266	24	236
Civil	4,169	617	37	21	16	11	5	25	251	10	257	1,711	315	297	18	1,526
Electrical	5,223	1,038	300	51	88	86	2	41	443	4	111	1,697	441	416	25	2,047
Engineering science/physics	383	139	25	24	19	19	0	5	54	1	11	150	31	27	4	63
Industrial/manufacturing	1,742	231	77	7	11	9	2	4	95	0	37	678	152	138	14	681
Mechanical	1,790	452	88	41	35	33	2	29	190	2	67	725	208	181	27	405
Metallurgical/materials	1,212	426	78	72	16	16	0	18	193	2	47	435	203	181	22	148

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					Total	NIH	Other						Total	States		
Mining	33	6	0	1	0	0	0	0	2	0	3	18	1	1	0	8
Nuclear	177	55	8	33	5	5	0	1	2	0	6	71	26	26	0	25
Petroleum	106	11	1	6	0	0	0	0	1	1	2	37	37	37	0	21
Other	958	224	76	8	11	8	3	9	63	7	50	290	84	74	10	360
Male																
S&E	199,651	45,639	6,866	3,422	11,880	11,356	524	1,650	13,546	1,545	6,730	82,824	16,071	14,297	1,774	55,117
Science	132,515	29,106	2,355	1,847	10,173	9,752	421	805	8,344	1,319	4,263	59,632	8,425	7,339	1,086	35,352
Agricultural sciences	4,828	1,209	19	20	40	35	5	30	112	630	358	2,006	743	691	52	870
Biological sciences	26,203	10,123	163	105	7,577	7,355	222	38	1,025	400	815	10,564	2,136	1,978	158	3,380
Anatomy	449	150	1	0	125	124	1	1	8	2	13	171	27	17	10	101
Biochemistry	2,820	1,392	23	20	1,152	1,110	42	2	97	17	81	970	239	225	14	219
Biology	5,671	1,300	33	15	677	667	10	9	368	22	176	3,047	391	362	29	933
Biometry/epidemiology	1,292	477	2	4	424	409	15	0	14	1	32	323	105	96	9	387
Biophysics	758	384	6	15	305	302	3	3	36	1	18	228	91	86	5	55
Botany	785	253	2	9	16	16	0	1	102	94	29	391	92	84	8	49
Cell/molecular biology	2,865	1,465	22	9	1,256	1,200	56	5	62	13	98	966	228	218	10	206
Ecology	701	147	0	0	14	12	2	1	61	14	57	430	51	48	3	73
Entomology/parasitology	498	146	2	1	11	9	2	0	23	85	24	243	76	72	4	33
Genetics	802	419	4	0	355	340	15	0	26	14	20	247	75	71	4	61
Microbiology, immunology, and virology	2,142	1,135	20	15	1,008	983	25	5	39	13	35	696	179	173	6	132
Nutrition	783	172	2	0	45	37	8	2	3	93	27	305	94	86	8	212
Pathology	549	225	11	0	194	184	10	0	4	5	11	186	70	44	26	68
Pharmacology	1,264	676	14	1	614	611	3	2	16	4	25	405	110	104	6	73
Physiology	1,031	394	1	0	299	292	7	3	8	1	82	333	52	49	3	252
Zoology	479	122	5	2	20	19	1	2	43	6	44	286	43	43	0	28
Other	3,314	1,266	15	14	1,062	1,040	22	2	115	15	43	1,337	213	200	13	498
Computer sciences	21,953	4,093	1,032	135	240	208	32	66	2,175	22	423	6,929	1,300	1,131	169	9,631
Earth, atmospheric, and ocean sciences	6,037	1,779	83	74	24	22	2	217	824	48	509	2,636	579	529	50	1,043
Atmospheric	606	341	22	15	4	4	0	68	129	7	96	164	36	28	8	65
Earth	3,093	808	24	53	3	3	0	92	452	20	164	1,612	255	226	29	418
Ocean	1,044	398	27	2	4	4	0	21	167	10	167	343	161	154	7	142
Other	1,294	232	10	4	13	11	2	36	76	11	82	517	127	121	6	418
Mathematics and statistics	10,244	1,200	128	45	106	87	19	13	720	5	183	6,757	296	245	51	1,991
Mathematics/applied mathematics	8,499	969	123	40	48	30	18	11	597	3	147	5,783	225	182	43	1,522
Statistics	1,745	231	5	5	58	57	1	2	123	2	36	974	71	63	8	469
Physical sciences	22,328	7,819	708	1,432	1,515	1,443	72	391	2,887	18	868	11,658	1,567	1,489	78	1,284
Astronomy	765	343	2	18	17	17	0	129	140	0	37	336	63	60	3	23
Chemistry	11,389	3,618	290	342	1,335	1,271	64	48	1,188	16	399	6,295	873	849	24	603
Physics	10,017	3,842	415	1,071	160	152	8	212	1,552	2	430	4,968	630	580	50	577
Other	157	16	1	1	3	3	0	2	7	0	2	59	1	0	1	81
Psychology	9,823	1,077	74	9	542	494	48	3	158	2	289	3,960	394	376	18	4,392
Clinical	2,294	190	12	3	80	71	9	0	1	0	94	638	97	96	1	1,369

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					Total	NIH	Other						Total	States		
General	3,538	470	30	4	274	244	30	2	90	0	70	1,826	142	131	11	1,100
Nonclinical	3,991	417	32	2	188	179	9	1	67	2	125	1,496	155	149	6	1,923
Social sciences	31,099	1,806	148	27	129	108	21	47	443	194	818	15,122	1,410	900	510	12,761
Agricultural economics	1,054	253	2	5	5	5	0	0	7	145	89	463	84	66	18	254
Anthropology (cultural and social)	2,219	150	1	1	8	8	0	0	76	0	64	1,283	71	60	11	715
Economics	6,488	252	12	2	20	20	0	0	94	18	106	3,931	320	152	168	1,985
Geography	1,791	247	10	6	8	7	1	43	86	14	80	962	73	65	8	509
History and philosophy of science	335	10	0	0	0	0	0	0	5	0	5	219	5	4	1	101
Linguistics	913	64	3	0	11	11	0	0	32	0	18	535	30	25	5	284
Political science and public administration	11,140	414	82	7	11	2	9	3	57	1	253	4,580	474	263	211	5,672
Sociology	2,658	177	2	0	53	45	8	0	51	13	58	1,694	81	73	8	706
Other	4,501	239	36	6	13	10	3	1	35	3	145	1,455	272	192	80	2,535
Engineering	67,136	16,533	4,511	1,575	1,707	1,604	103	845	5,202	226	2,467	23,192	7,646	6,958	688	19,765
Aerospace	2,849	993	479	37	12	10	2	275	104	1	85	807	336	295	41	713
Agricultural	591	156	7	4	2	2	0	10	10	91	32	280	72	66	6	83
Biomedical	3,456	1,144	67	18	790	783	7	6	169	2	92	1,086	405	396	9	821
Chemical	4,366	1,478	139	284	220	201	19	48	545	43	199	1,642	705	667	38	541
Civil	8,905	1,254	106	43	40	19	21	32	408	30	595	3,674	859	783	76	3,118
Electrical	22,156	4,947	1,637	194	333	308	25	176	2,045	17	545	6,925	2,205	2,030	175	8,079
Engineering science/physics	1,273	442	101	76	39	37	2	19	176	0	31	480	144	131	13	207
Industrial/manufacturing	4,679	665	244	39	54	45	9	17	186	9	116	1,646	398	335	63	1,970
Mechanical	10,876	2,788	693	352	152	138	14	188	906	9	488	4,168	1,321	1,189	132	2,599
Metallurgical/materials	3,415	1,202	291	246	42	41	1	34	468	4	117	1,154	612	574	38	447
Mining	148	23	1	13	1	1	0	0	0	1	7	72	11	10	1	42
Nuclear	733	283	40	175	3	3	0	8	3	0	54	266	76	63	13	108
Petroleum	541	53	0	45	0	0	0	0	4	0	4	171	211	155	56	106
Other	3,148	1,105	706	49	19	16	3	32	178	19	102	821	291	264	27	931

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = U.S. Department of Agriculture

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