

TABLE 3-1

Primary source of support for full-time graduate students in science, engineering, and health, by field: 2019

(Number and percent)

Broad field	Total	Federal		Institutional		Nonfederal domestic		Foreign		Self-support	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All graduate students	502,442	73,605	14.6	205,890	41.0	19,171	3.8	4,699	0.9	199,077	39.6
Science	331,673	46,450	14.0	148,487	44.8	10,570	3.2	2,298	0.7	123,868	37.3
Agricultural sciences	6,749	1,280	19.0	3,424	50.7	795	11.8	87	1.3	1,163	17.2
Biological and biomedical sciences	76,233	18,553	24.3	34,360	45.1	3,258	4.3	496	0.7	19,566	25.7
Computer and information sciences	62,120	5,124	8.2	16,076	25.9	1,420	2.3	469	0.8	39,031	62.8
Geosciences, atmospheric sciences, and ocean sciences	9,521	2,504	26.3	5,122	53.8	481	5.1	96	1.0	1,318	13.8
Mathematics and statistics	25,681	1,463	5.7	13,152	51.2	338	1.3	161	0.6	10,567	41.1
Multidisciplinary and interdisciplinary studies	7,033	497	7.1	2,708	38.5	138	2.0	40	0.6	3,650	51.9
Natural resources and conservation	8,101	1,215	15.0	3,516	43.4	429	5.3	71	0.9	2,870	35.4
Physical sciences	38,162	10,530	27.6	22,916	60.0	1,560	4.1	327	0.9	2,829	7.4
Psychology	41,093	2,469	6.0	13,950	33.9	748	1.8	143	0.3	23,783	57.9
Social sciences	56,980	2,815	4.9	33,263	58.4	1,403	2.5	408	0.7	19,091	33.5
Engineering	121,117	24,012	19.8	43,902	36.2	7,407	6.1	1,996	1.6	43,800	36.2
Health	49,652	3,143	6.3	13,501	27.2	1,194	2.4	405	0.8	31,409	63.3
Clinical medicine ^a	18,924	1,265	6.7	4,737	25.0	532	2.8	111	0.6	12,279	64.9
Other health	30,728	1,878	6.1	8,764	28.5	662	2.2	294	1.0	19,130	62.3
Master's students	254,532	11,491	4.5	60,153	23.6	4,914	1.9	1,517	0.6	176,457	69.3
Science	158,704	6,468	4.1	39,507	24.9	2,534	1.6	844	0.5	109,351	68.9
Agricultural sciences	3,504	537	15.3	1,650	47.1	401	11.4	43	1.2	873	24.9
Biological and biomedical sciences	25,757	1,263	4.9	6,480	25.2	423	1.6	120	0.5	17,471	67.8
Computer and information sciences	47,535	1,061	2.2	8,299	17.5	459	1.0	231	0.5	37,485	78.9
Geosciences, atmospheric sciences, and ocean sciences	3,675	635	17.3	1,929	52.5	139	3.8	32	0.9	940	25.6
Mathematics and statistics	13,359	157	1.2	3,241	24.3	95	0.7	59	0.4	9,807	73.4
Multidisciplinary and interdisciplinary studies	4,669	125	2.7	1,106	23.7	65	1.4	15	0.3	3,358	71.9
Natural resources and conservation	5,176	577	11.1	1,861	36.0	218	4.2	35	0.7	2,485	48.0
Physical sciences	3,878	307	7.9	1,813	46.8	87	2.2	50	1.3	1,621	41.8
Psychology	24,547	628	2.6	3,600	14.7	131	0.5	81	0.3	20,107	81.9
Social sciences	26,604	1,178	4.4	9,528	35.8	516	1.9	178	0.7	15,204	57.1
Engineering	57,723	3,762	6.5	12,920	22.4	1,722	3.0	502	0.9	38,817	67.2
Health	38,105	1,261	3.3	7,726	20.3	658	1.7	171	0.4	28,289	74.2
Clinical medicine ^a	15,638	590	3.8	3,087	19.7	349	2.2	55	0.4	11,557	73.9
Other health	22,467	671	3.0	4,639	20.6	309	1.4	116	0.5	16,732	74.5
Doctoral students	247,910	62,114	25.1	145,737	58.8	14,257	5.8	3,182	1.3	22,620	9.1
Science	172,969	39,982	23.1	108,980	63.0	8,036	4.6	1,454	0.8	14,517	8.4
Agricultural sciences	3,245	743	22.9	1,774	54.7	394	12.1	44	1.4	290	8.9
Biological and biomedical sciences	50,476	17,290	34.3	27,880	55.2	2,835	5.6	376	0.7	2,095	4.2
Computer and information sciences	14,585	4,063	27.9	7,777	53.3	961	6.6	238	1.6	1,546	10.6

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(Number and percent)

Broad field	Total	Federal		Institutional		Nonfederal domestic		Foreign		Self-support	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Geosciences, atmospheric sciences, and ocean sciences	5,846	1,869	32.0	3,193	54.6	342	5.9	64	1.1	378	6.5
Mathematics and statistics	12,322	1,306	10.6	9,911	80.4	243	2.0	102	0.8	760	6.2
Multidisciplinary and interdisciplinary studies	2,364	372	15.7	1,602	67.8	73	3.1	25	1.1	292	12.4
Natural resources and conservation	2,925	638	21.8	1,655	56.6	211	7.2	36	1.2	385	13.2
Physical sciences	34,284	10,223	29.8	21,103	61.6	1,473	4.3	277	0.8	1,208	3.5
Psychology	16,546	1,841	11.1	10,350	62.6	617	3.7	62	0.4	3,676	22.2
Social sciences	30,376	1,637	5.4	23,735	78.1	887	2.9	230	0.8	3,887	12.8
Engineering	63,394	20,250	31.9	30,982	48.9	5,685	9.0	1,494	2.4	4,983	7.9
Health	11,547	1,882	16.3	5,775	50.0	536	4.6	234	2.0	3,120	27.0
Clinical medicine ^a	3,286	675	20.5	1,650	50.2	183	5.6	56	1.7	722	22.0
Other health	8,261	1,207	14.6	4,125	49.9	353	4.3	178	2.2	2,398	29.0

^a Clinical medicine includes graduate students in public health and clinical medicine not elsewhere classified.

Note(s):

Percentages may not add to total because of rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2019.