

TABLE 3-5

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

(Number and percent)

Broad field	Total	Fellowships		Research assistantships		Teaching assistantships		Traineeships		Other types of support			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Self-support		Other	
										Number	Percent	Number	Percent
All graduate students	502,442	45,834	9.1	115,320	23.0	88,144	17.5	12,282	2.4	199,077	39.6	41,785	8.3
Science	331,673	33,386	10.1	70,105	21.1	68,927	20.8	9,495	2.9	123,868	37.3	25,892	7.8
Agricultural sciences	6,749	366	5.4	3,850	57.0	968	14.3	35	0.5	1,163	17.2	367	5.4
Biological and biomedical sciences	76,233	10,271	13.5	23,675	31.1	10,670	14.0	6,099	8.0	19,566	25.7	5,952	7.8
Computer and information sciences	62,120	2,500	4.0	8,192	13.2	7,100	11.4	401	0.6	39,031	62.8	4,896	7.9
Geosciences, atmospheric sciences, and ocean sciences	9,521	1,122	11.8	3,661	38.5	2,579	27.1	115	1.2	1,318	13.8	726	7.6
Mathematics and statistics	25,681	1,933	7.5	2,052	8.0	9,521	37.1	209	0.8	10,567	41.1	1,399	5.4
Multidisciplinary and interdisciplinary studies	7,033	697	9.9	890	12.7	780	11.1	97	1.4	3,650	51.9	919	13.1
Natural resources and conservation	8,101	698	8.6	2,371	29.3	1,390	17.2	64	0.8	2,870	35.4	708	8.7
Physical sciences	38,162	4,356	11.4	14,426	37.8	14,342	37.6	628	1.6	2,829	7.4	1,581	4.1
Psychology	41,093	2,001	4.9	4,680	11.4	6,353	15.5	938	2.3	23,783	57.9	3,338	8.1
Social sciences	56,980	9,442	16.6	6,308	11.1	15,224	26.7	909	1.6	19,091	33.5	6,006	10.5
Engineering	121,117	10,398	8.6	39,957	33.0	15,203	12.6	1,470	1.2	43,800	36.2	10,289	8.5
Health	49,652	2,050	4.1	5,258	10.6	4,014	8.1	1,317	2.7	31,409	63.3	5,604	11.3
Clinical medicine <sup>a</sup>	18,924	934	4.9	1,919	10.1	1,011	5.3	644	3.4	12,279	64.9	2,137	11.3
Other health	30,728	1,116	3.6	3,339	10.9	3,003	9.8	673	2.2	19,130	62.3	3,467	11.3
Master's students	254,532	7,717	3.0	20,406	8.0	23,284	9.1	2,185	0.9	176,457	69.3	24,483	9.6
Science	158,704	5,064	3.2	12,208	7.7	16,416	10.3	1,103	0.7	109,351	68.9	14,562	9.2
Agricultural sciences	3,504	107	3.1	1,816	51.8	484	13.8	9	0.3	873	24.9	215	6.1
Biological and biomedical sciences	25,757	512	2.0	2,349	9.1	3,157	12.3	172	0.7	17,471	67.8	2,096	8.1
Computer and information sciences	47,535	791	1.7	1,764	3.7	3,250	6.8	183	0.4	37,485	78.9	4,062	8.5
Geosciences, atmospheric sciences, and ocean sciences	3,675	126	3.4	1,039	28.3	1,222	33.3	20	0.5	940	25.6	328	8.9
Mathematics and statistics	13,359	295	2.2	353	2.6	1,973	14.8	25	0.2	9,807	73.4	906	6.8
Multidisciplinary and interdisciplinary studies	4,669	347	7.4	239	5.1	277	5.9	16	0.3	3,358	71.9	432	9.3
Natural resources and conservation	5,176	281	5.4	1,189	23.0	700	13.5	41	0.8	2,485	48.0	480	9.3
Physical sciences	3,878	105	2.7	551	14.2	1,213	31.3	61	1.6	1,621	41.8	327	8.4
Psychology	24,547	106	0.4	984	4.0	1,173	4.8	298	1.2	20,107	81.9	1,879	7.7
Social sciences	26,604	2,394	9.0	1,924	7.2	2,967	11.2	278	1.0	15,204	57.1	3,837	14.4
Engineering	57,723	1,776	3.1	6,236	10.8	4,838	8.4	426	0.7	38,817	67.2	5,630	9.8
Health	38,105	877	2.3	1,962	5.1	2,030	5.3	656	1.7	28,289	74.2	4,291	11.3
Clinical medicine <sup>a</sup>	15,638	623	4.0	829	5.3	612	3.9	330	2.1	11,557	73.9	1,687	10.8
Other health	22,467	254	1.1	1,133	5.0	1,418	6.3	326	1.5	16,732	74.5	2,604	11.6
Doctoral students	247,910	38,117	15.4	94,914	38.3	64,860	26.2	10,097	4.1	22,620	9.1	17,302	7.0
Science	172,969	28,322	16.4	57,897	33.5	52,511	30.4	8,392	4.9	14,517	8.4	11,330	6.6

TABLE 3-5

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

(Number and percent)

Broad field	Total	Fellowships		Research assistantships		Teaching assistantships		Traineeships		Other types of support			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Self-support		Other	
										Number	Percent	Number	Percent
Agricultural sciences	3,245	259	8.0	2,034	62.7	484	14.9	26	0.8	290	8.9	152	4.7
Biological and biomedical sciences	50,476	9,759	19.3	21,326	42.2	7,513	14.9	5,927	11.7	2,095	4.2	3,856	7.6
Computer and information sciences	14,585	1,709	11.7	6,428	44.1	3,850	26.4	218	1.5	1,546	10.6	834	5.7
Geosciences, atmospheric sciences, and ocean sciences	5,846	996	17.0	2,622	44.9	1,357	23.2	95	1.6	378	6.5	398	6.8
Mathematics and statistics	12,322	1,638	13.3	1,699	13.8	7,548	61.3	184	1.5	760	6.2	493	4.0
Multidisciplinary and interdisciplinary studies	2,364	350	14.8	651	27.5	503	21.3	81	3.4	292	12.4	487	20.6
Natural resources and conservation	2,925	417	14.3	1,182	40.4	690	23.6	23	0.8	385	13.2	228	7.8
Physical sciences	34,284	4,251	12.4	13,875	40.5	13,129	38.3	567	1.7	1,208	3.5	1,254	3.7
Psychology	16,546	1,895	11.5	3,696	22.3	5,180	31.3	640	3.9	3,676	22.2	1,459	8.8
Social sciences	30,376	7,048	23.2	4,384	14.4	12,257	40.4	631	2.1	3,887	12.8	2,169	7.1
Engineering	63,394	8,622	13.6	33,721	53.2	10,365	16.4	1,044	1.6	4,983	7.9	4,659	7.3
Health	11,547	1,173	10.2	3,296	28.5	1,984	17.2	661	5.7	3,120	27.0	1,313	11.4
Clinical medicine <sup>a</sup>	3,286	311	9.5	1,090	33.2	399	12.1	314	9.6	722	22.0	450	13.7
Other health	8,261	862	10.4	2,206	26.7	1,585	19.2	347	4.2	2,398	29.0	863	10.4

<sup>a</sup> 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.