

TABLE 3-3

Detailed primary source of federal support for full-time graduate students in science, engineering, and health: 2019

(Number and percent)

Broad field	Total	DOD		DOE		HHS: NIH		HHS: Other HHS		NASA		NSF		USDA		Other	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All graduate students	73,605	8,495	11.5	5,119	7.0	21,025	28.6	2,498	3.4	2,057	2.8	21,801	29.6	2,580	3.5	10,030	13.6
Science	46,450	3,392	7.3	2,534	5.5	16,486	35.5	1,491	3.2	1,250	2.7	13,222	28.5	2,168	4.7	5,907	12.7
Agricultural sciences	1,280	9	0.7	28	2.2	45	3.5	75	5.9	3	0.2	120	9.4	808	63.1	192	15.0
Biological and biomedical sciences	18,553	359	1.9	136	0.7	12,999	70.1	737	4.0	59	0.3	2,441	13.2	633	3.4	1,189	6.4
Computer and information sciences	5,124	1,097	21.4	111	2.2	308	6.0	77	1.5	35	0.7	2,776	54.2	32	0.6	688	13.4
Geosciences, atmospheric sciences, and ocean sciences	2,504	183	7.3	90	3.6	23	0.9	8	0.3	452	18.1	1,188	47.4	26	1.0	534	21.3
Mathematics and statistics	1,463	151	10.3	40	2.7	182	12.4	29	2.0	19	1.3	882	60.3	21	1.4	139	9.5
Multidisciplinary and interdisciplinary studies	497	54	10.9	26	5.2	112	22.5	11	2.2	6	1.2	159	32.0	38	7.6	91	18.3
Natural resources and conservation	1,215	31	2.6	40	3.3	23	1.9	71	5.8	36	3.0	305	25.1	332	27.3	377	31.0
Physical sciences	10,530	813	7.7	2,039	19.4	1,762	16.7	234	2.2	599	5.7	4,213	40.0	31	0.3	839	8.0
Psychology	2,469	175	7.1	9	0.4	810	32.8	175	7.1	3	0.1	432	17.5	5	0.2	860	34.8
Social sciences	2,815	520	18.5	15	0.5	222	7.9	74	2.6	38	1.3	706	25.1	242	8.6	998	35.5
Engineering	24,012	5,030	20.9	2,581	10.7	3,000	12.5	655	2.7	804	3.3	8,401	35.0	339	1.4	3,202	13.3
Health	3,143	73	2.3	4	0.1	1,539	49.0	352	11.2	3	0.1	178	5.7	73	2.3	921	29.3
Clinical medicine ^a	1,265	15	1.2	4	0.3	592	46.8	244	19.3	1	0.1	41	3.2	15	1.2	353	27.9
Other health	1,878	58	3.1	0	0.0	947	50.4	108	5.8	2	0.1	137	7.3	58	3.1	568	30.2
Master's students	11,491	2,492	21.7	452	3.9	1,046	9.1	471	4.1	276	2.4	2,054	17.9	977	8.5	3,723	32.4
Science	6,468	1,079	16.7	91	1.4	585	9.0	226	3.5	117	1.8	1,224	18.9	865	13.4	2,281	35.3
Agricultural sciences	537	4	0.7	8	1.5	8	1.5	31	5.8	0	0.0	31	5.8	359	66.9	96	17.9
Biological and biomedical sciences	1,263	64	5.1	8	0.6	399	31.6	70	5.5	6	0.5	210	16.6	197	15.6	309	24.5
Computer and information sciences	1,061	316	29.8	12	1.1	73	6.9	16	1.5	9	0.8	366	34.5	11	1.0	258	24.3
Geosciences, atmospheric sciences, and ocean sciences	635	85	13.4	19	3.0	2	0.3	1	0.2	51	8.0	236	37.2	14	2.2	227	35.7
Mathematics and statistics	157	33	21.0	6	3.8	19	12.1	2	1.3	1	0.6	52	33.1	2	1.3	42	26.8
Multidisciplinary and interdisciplinary studies	125	22	17.6	3	2.4	10	8.0	1	0.8	4	3.2	24	19.2	11	8.8	50	40.0
Natural resources and conservation	577	20	3.5	14	2.4	3	0.5	46	8.0	9	1.6	86	14.9	177	30.7	222	38.5
Physical sciences	307	31	10.1	17	5.5	24	7.8	9	2.9	27	8.8	112	36.5	3	1.0	84	27.4
Psychology	628	48	7.6	3	0.5	32	5.1	35	5.6	0	0.0	30	4.8	2	0.3	478	76.1
Social sciences	1,178	456	38.7	1	0.1	15	1.3	15	1.3	10	0.8	77	6.5	89	7.6	515	43.7
Engineering	3,762	1,389	36.9	360	9.6	145	3.9	112	3.0	159	4.2	769	20.4	90	2.4	738	19.6
Health	1,261	24	1.9	1	0.1	316	25.1	133	10.5	0	0.0	61	4.8	22	1.7	704	55.8
Clinical medicine ^a	590	7	1.2	1	0.2	205	34.7	113	19.2	0	0.0	7	1.2	7	1.2	250	42.4
Other health	671	17	2.5	0	0.0	111	16.5	20	3.0	0	0.0	54	8.0	15	2.2	454	67.7
Doctoral students	62,114	6,003	9.7	4,667	7.5	19,979	32.2	2,027	3.3	1,781	2.9	19,747	31.8	1,603	2.6	6,307	10.2
Science	39,982	2,313	5.8	2,443	6.1	15,901	39.8	1,265	3.2	1,133	2.8	11,998	30.0	1,303	3.3	3,626	9.1
Agricultural sciences	743	5	0.7	20	2.7	37	5.0	44	5.9	3	0.4	89	12.0	449	60.4	96	12.9

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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Biological and biomedical sciences	17,290	295	1.7	128	0.7	12,600	72.9	667	3.9	53	0.3	2,231	12.9	436	2.5	880	5.1
Computer and information sciences	4,063	781	19.2	99	2.4	235	5.8	61	1.5	26	0.6	2,410	59.3	21	0.5	430	10.6
Geosciences, atmospheric sciences, and ocean sciences	1,869	98	5.2	71	3.8	21	1.1	7	0.4	401	21.5	952	50.9	12	0.6	307	16.4
Mathematics and statistics	1,306	118	9.0	34	2.6	163	12.5	27	2.1	18	1.4	830	63.6	19	1.5	97	7.4
Multidisciplinary and interdisciplinary studies	372	32	8.6	23	6.2	102	27.4	10	2.7	2	0.5	135	36.3	27	7.3	41	11.0
Natural resources and conservation	638	11	1.7	26	4.1	20	3.1	25	3.9	27	4.2	219	34.3	155	24.3	155	24.3
Physical sciences	10,223	782	7.6	2,022	19.8	1,738	17.0	225	2.2	572	5.6	4,101	40.1	28	0.3	755	7.4
Psychology	1,841	127	6.9	6	0.3	778	42.3	140	7.6	3	0.2	402	21.8	3	0.2	382	20.7
Social sciences	1,637	64	3.9	14	0.9	207	12.6	59	3.6	28	1.7	629	38.4	153	9.3	483	29.5
Engineering	20,250	3,641	18.0	2,221	11.0	2,855	14.1	543	2.7	645	3.2	7,632	37.7	249	1.2	2,464	12.2
Health	1,882	49	2.6	3	0.2	1,223	65.0	219	11.6	3	0.2	117	6.2	51	2.7	217	11.5
Clinical medicine ^a	675	8	1.2	3	0.4	387	57.3	131	19.4	1	0.1	34	5.0	8	1.2	103	15.3
Other health	1,207	41	3.4	0	0.0	836	69.3	88	7.3	2	0.2	83	6.9	43	3.6	114	9.4

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 = Department of Agriculture.

^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.