

TABLE A-9

**Imputation for graduate students in science, engineering, and health fields, by citizenship, ethnicity, race, enrollment status, and sex: 2022**

(Number and percent)

Citizenship, ethnicity, and race	Part time			Full time						
				First time						
	Total	Male	Female	Total	Male	Female	Total	Male	Female	
Doctoral students, imputation rate (%)										
All doctoral students	0.8	1.0	1.3	0.6	3.5	3.5	1.1	2.7	3.1	
U.S. citizens and permanent residents <sup>a</sup>										
Hispanic or Latino	1.9	0.9	2.8	3.2	3.4	5.1	3.2	3.3	5.0	
Not Hispanic or Latino										
American Indian or Alaska Native	4.6	0.0	7.3	2.8	1.8	3.7	0.0	0.0	0.0	
Asian	0.9	1.0	1.1	1.9	3.3	3.3	2.1	2.4	2.8	
Black or African American	1.7	1.2	2.1	1.9	1.8	2.4	2.2	2.1	2.6	
Native Hawaiian or Other Pacific Islander	13.2	18.2	6.3	4.4	1.6	6.3	3.8	8.3	0.0	
White	1.4	1.6	1.7	1.5	3.4	3.1	1.7	3.0	3.0	
More than one race	2.3	0.7	3.6	1.9	2.2	2.0	1.4	1.1	1.6	
Unknown ethnicity and race	0.8	1.0	0.8	2.2	2.0	3.2	3.3	2.8	4.5	
Temporary visa holders	0.6	0.9	0.4	1.0	2.0	1.8	0.7	1.0	1.1	
Doctoral students, number imputed <sup>b</sup>										
All doctoral students	305	193	233	1,444	4,932	4,148	519	674	695	
U.S. citizens and permanent residents <sup>a</sup>										
Hispanic or Latino	56	12	46	591	290	495	114	53	100	
Not Hispanic or Latino										
American Indian or Alaska Native	8	0	8	16	4	13	0	0	0	
Asian	22	11	13	353	301	297	71	39	50	
Black or African American	50	14	38	182	66	141	41	14	31	
Native Hawaiian or Other Pacific Islander	5	4	1	7	1	6	1	1	0	
White	241	136	146	1,387	1,547	1,411	267	218	242	
More than one race	20	3	17	125	63	71	18	6	12	
Unknown ethnicity and race	14	9	6	140	68	97	37	16	25	
Temporary visa holders	57	51	15	1,067	1,354	756	153	124	92	
Master's students, imputation rate (%)										
All master's students	1.3	1.7	4.1	1.3	2.6	3.7	1.3	1.7	2.8	
U.S. citizens and permanent residents <sup>a</sup>										
Hispanic or Latino	2.1	2.1	6.9	4.2	3.5	6.5	4.0	2.9	5.7	
Not Hispanic or Latino										
American Indian or Alaska Native	3.2	1.8	4.1	16.5	6.7	21.1	26.6	6.3	34.9	
Asian	0.7	0.7	1.3	1.4	1.8	2.4	1.2	1.2	1.6	
Black or African American	3.4	2.9	5.4	4.7	5.0	5.1	5.3	6.0	5.3	
Native Hawaiian or Other Pacific Islander	0.7	0.8	0.7	1.8	1.8	1.9	0.0	0.0	0.0	
White	1.4	1.6	4.1	2.5	3.0	4.2	2.6	2.2	3.5	
More than one race	0.7	0.8	2.7	1.9	2.2	2.5	1.2	1.7	1.3	
Unknown ethnicity and race	2.1	2.6	5.7	3.6	2.8	4.4	4.2	3.4	5.0	
Temporary visa holders	1.0	1.3	1.4	0.9	1.6	1.6	0.7	1.1	0.8	
Master's students, number imputed <sup>b</sup>										
All master's students	2,305	1,592	3,594	4,004	4,041	5,928	1,843	1,239	2,023	
U.S. citizens and permanent residents <sup>a</sup>										
Hispanic or Latino	468	217	827	1,103	319	1,107	430	114	399	
Not Hispanic or Latino										
American Indian or Alaska Native	17	4	13	131	16	117	94	6	90	
Asian	138	77	114	302	174	278	117	53	91	
Black or African American	533	185	501	749	248	560	356	129	241	

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(Number and percent)

Citizenship, ethnicity, and race	Part time			Full time					
				First time					
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Native Hawaiian or Other Pacific Islander	2	1	1	5	2	3	0	0	0
White	1,134	681	1,654	2,271	1,044	2,328	983	325	818
More than one race	38	19	70	131	61	104	37	22	24
Unknown ethnicity and race	181	114	235	242	76	178	119	39	83
Temporary visa holders	270	229	148	1,389	1,505	916	511	514	238

<sup>a</sup> Ethnicity and race data are available only for U.S. citizens and permanent residents.

<sup>b</sup> This table reports the sum of counts imputed in each of these cells and variables. Because some units report totals without complete details, the sum of the imputed details will often be higher than the related total.

**Note(s):**

Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the "Technical Notes."

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2022.