

TABLE A-9

Imputation for graduate students in science, engineering, and health fields, by citizenship, ethnicity, race, enrollment status, and sex: 2023

(Number and percent)

Citizenship, ethnicity, and race	Part time			Full time						
	Total	Male	Female	Total	Male	Female	First time			
							Total	Male	Female	
Doctoral students, imputation rate (%)										
All doctoral students	1.5	2.0	2.1	1.9	7.5	7.5	2.5	5.5	5.5	
U.S. citizens and permanent residents ^a										
Hispanic or Latino	3.0	2.5	3.5	3.9	4.9	6.9	6.5	5.9	10.3	
Not Hispanic or Latino										
American Indian or Alaska Native	6.6	3.2	8.5	2.7	2.1	3.4	1.2	0.0	1.9	
Asian	1.6	1.2	1.9	2.0	4.6	3.7	3.2	4.7	3.0	
Black or African American	1.4	0.7	1.9	2.0	2.3	3.0	2.4	4.7	2.5	
Native Hawaiian or Other Pacific Islander	9.4	12.0	7.1	1.9	1.4	2.4	0.0	0.0	0.0	
White	2.4	2.9	2.7	2.3	6.3	6.0	2.9	5.1	4.1	
More than one race	3.2	1.6	4.4	1.5	2.9	2.7	1.3	3.0	1.3	
Unknown ethnicity and race	3.0	3.3	3.1	3.3	4.5	4.4	5.6	8.4	5.7	
Temporary visa holders	1.1	1.2	1.1	2.0	3.8	3.4	2.0	2.8	2.6	
Doctoral students, number imputed ^b										
All doctoral students	570	376	410	5,093	10,801	9,312	1,249	1,455	1,320	
U.S. citizens and permanent residents ^a										
Hispanic or Latino	92	33	61	746	441	709	238	97	211	
Not Hispanic or Latino										
American Indian or Alaska Native	12	2	10	16	5	12	1	0	1	
Asian	39	15	25	381	435	356	112	81	54	
Black or African American	54	9	46	217	93	205	50	35	33	
Native Hawaiian or Other Pacific Islander	5	3	2	3	1	2	0	0	0	
White	416	243	240	2,057	2,759	2,716	432	362	329	
More than one race	30	6	24	107	91	104	18	19	10	
Unknown ethnicity and race	54	27	30	226	154	149	64	46	34	
Temporary visa holders	103	67	38	2,301	2,747	1,530	470	393	242	
Master's students, imputation rate (%)										
All master's students	2.9	9.9	9.4	1.9	7.2	7.6	1.8	6.5	6.7	
U.S. citizens and permanent residents ^a										
Hispanic or Latino	3.8	5.5	9.0	5.7	5.6	7.9	4.9	4.4	7.0	
Not Hispanic or Latino										
American Indian or Alaska Native	3.1	1.4	4.7	4.8	5.0	4.6	3.9	3.4	4.2	
Asian	3.7	8.4	7.0	2.1	4.9	4.2	1.8	3.7	2.8	
Black or African American	3.3	4.2	5.6	2.8	3.6	4.1	2.5	3.8	3.6	

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Imputation for graduate students in science, engineering, and health fields, by citizenship, ethnicity, race, enrollment status, and sex: 2023

(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	3.7	4.7	2.7	2.4	4.4	1.3	1.0	2.8	0.0
White	3.5	7.0	8.2	3.4	5.5	5.9	3.4	4.9	5.4
More than one race	2.6	3.9	5.8	2.3	3.8	2.9	1.9	3.0	2.0
Unknown ethnicity and race	4.9	8.9	12.5	5.1	6.8	8.8	4.8	4.9	7.1
Temporary visa holders	4.1	6.1	5.0	1.7	5.5	5.2	1.5	5.7	5.2
Master's students, number imputed ^b									
All master's students	5,215	9,246	8,221	6,135	11,911	12,493	2,786	5,059	5,040
U.S. citizens and permanent residents ^a									
Hispanic or Latino	847	560	1,075	1,476	516	1,337	570	187	515
Not Hispanic or Latino									
American Indian or Alaska Native	16	3	14	33	12	21	12	4	8
Asian	718	902	600	461	487	497	194	189	161
Black or African American	530	266	535	436	188	441	183	92	177
Native Hawaiian or Other Pacific Islander	11	7	4	6	4	2	1	1	0
White	2,737	2,775	3,115	2,916	1,804	3,090	1,294	746	1,249
More than one race	136	98	156	161	105	120	60	39	38
Unknown ethnicity and race	409	393	488	379	204	387	161	72	133
Temporary visa holders	1,277	1,168	605	2,879	5,595	3,361	1,190	2,750	1,569

^a Ethnicity and race data are available only for U.S. citizens and permanent residents.^b 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, 2023.