

TABLE 23

U.S. citizen and permanent resident doctorate recipients, by broad field of study, ethnicity, and race: Selected years, 1998–2018

(Number)

Field of study, ethnicity, and race	1998	2003	2008	2013	2018
All fields	31,204	28,170	30,844	33,964	35,404
Hispanic or Latino	1,332	1,435	1,773	2,135	2,582
Not Hispanic or Latino					
American Indian or Alaska Native	190	136	115	119	115
Asian ^a	2,728	2,033	2,507	2,892	3,305
Black or African American	1,603	1,723	1,961	2,172	2,456
White	24,284	21,162	22,835	24,749	24,951
More than one race	na	363	506	858	1,102
Other race or race not reported ^b	416	354	343	279	371
Ethnicity not reported	651	964	804	760	522
Life sciences ^c	6,150	5,898	7,279	8,352	9,041
Hispanic or Latino	244	251	399	545	663
Not Hispanic or Latino					
American Indian or Alaska Native	25	17	29	30	21
Asian ^a	812	642	768	877	997
Black or African American	201	210	318	523	587
White	4,696	4,485	5,423	5,977	6,277
More than one race	na	81	124	212	285
Other race or race not reported ^b	87	72	79	63	104
Ethnicity not reported	85	140	139	125	107
Physical sciences and earth sciences	2,978	2,404	2,674	3,247	3,771
Hispanic or Latino	72	86	117	168	221
Not Hispanic or Latino					
American Indian or Alaska Native	12	4	4	6	9
Asian ^a	379	206	237	227	356
Black or African American	61	67	74	90	103
White	2,344	1,907	2,108	2,584	2,906
More than one race	na	32	41	87	101
Other race or race not reported ^b	42	40	25	25	26
Ethnicity not reported	68	62	68	60	49
Mathematics and computer sciences	1,236	964	1,370	1,631	1,739
Hispanic or Latino	42	28	49	65	94
Not Hispanic or Latino					
American Indian or Alaska Native	7	4	0	0	4
Asian ^a	163	132	178	233	231
Black or African American	30	33	55	57	64
White	941	701	1,021	1,172	1,233
More than one race	na	19	13	40	58
Other race or race not reported ^b	16	15	15	17	22
Ethnicity not reported	37	32	39	47	33
Psychology and social sciences	5,890	5,385	5,588	6,464	6,704
Hispanic or Latino	323	317	436	456	593
Not Hispanic or Latino					
American Indian or Alaska Native	44	36	22	30	34
Asian ^a	325	275	343	409	473
Black or African American	325	326	340	470	524
White	4,666	4,093	4,091	4,675	4,653
More than one race	na	80	112	195	253

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Other race or race not reported ^b	80	89	74	45	76
Ethnicity not reported	127	169	170	184	98
Engineering	3,048	2,180	2,958	3,767	4,218
Hispanic or Latino	111	104	134	190	280
Not Hispanic or Latino					
American Indian or Alaska Native	13	12	7	5	8
Asian ^a	557	346	487	570	678
Black or African American	81	77	110	171	167
White	2,169	1,544	2,065	2,596	2,829
More than one race	na	16	45	87	129
Other race or race not reported ^b	44	29	36	30	59
Ethnicity not reported	73	52	74	118	68
Education	5,748	5,650	5,584	4,118	4,033
Hispanic or Latino	290	341	351	270	302
Not Hispanic or Latino					
American Indian or Alaska Native	50	39	36	24	23
Asian ^a	177	148	202	219	205
Black or African American	655	707	714	518	584
White	4,409	3,994	4,001	2,876	2,714
More than one race	na	63	64	81	117
Other race or race not reported ^b	56	37	51	40	28
Ethnicity not reported	111	321	165	90	60
Humanities and arts	4,533	4,333	3,744	4,535	4,150
Hispanic or Latino	201	252	206	331	348
Not Hispanic or Latino					
American Indian or Alaska Native	22	15	11	20	12
Asian ^a	205	196	169	190	203
Black or African American	143	158	171	167	205
White	3,781	3,468	2,961	3,568	3,167
More than one race	na	58	85	115	112
Other race or race not reported ^b	70	57	38	42	29
Ethnicity not reported	111	129	103	102	74
Other ^d	1,621	1,356	1,647	1,850	1,748
Hispanic or Latino	49	56	81	110	81
Not Hispanic or Latino					
American Indian or Alaska Native	17	9	6	4	4
Asian ^a	110	88	123	167	162
Black or African American	107	145	179	176	222
White	1,278	970	1,165	1,301	1,172
More than one race	na	14	22	41	47
Other race or race not reported ^b	21	15	25	17	27
Ethnicity not reported	39	59	46	34	33

na = not applicable; respondents were instructed to indicate only one race.

^a Includes Native Hawaiians or Other Pacific Islanders who are not Hispanic through 2000, but excludes them since 2001.^b Before 2001, category included respondents who selected more than one race; Native Hawaiians or Other Pacific Islanders who are not Hispanic were included in the category Asian. Since 2001, category has included Native Hawaiians or Other Pacific Islanders who are not Hispanic.^c Includes agricultural sciences and natural resources; biological and biomedical sciences; and health sciences.^d Includes other non-science and engineering fields not shown separately.

Source(s)

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.