

TABLE 23

U.S. citizen and permanent resident doctorate recipients, by broad field of study, ethnicity, and race: Selected years, 1997–2017

(Number)

Field of study, ethnicity, and race	1997	2002	2007	2012	2017
All fields	31,097	27,737	29,501	32,981	35,791
Hispanic or Latino	1,203	1,370	1,655	2,144	2,540
Not Hispanic or Latino					
American Indian or Alaska Native	167	142	140	104	109
Asian ^a	3,109	2,091	2,308	2,943	3,502
Black or African American	1,476	1,666	1,891	2,055	2,409
White	23,964	21,035	22,067	24,010	24,880
More than one race	na	269	505	807	1,016
Other race or race not reported ^b	509	387	304	293	471
Ethnicity not reported	669	777	631	625	864
Life sciences ^c	5,987	5,850	7,009	8,184	8,857
Hispanic or Latino	207	237	356	493	606
Not Hispanic or Latino					
American Indian or Alaska Native	18	16	30	24	25
Asian ^a	888	677	725	934	1,014
Black or African American	198	206	316	448	577
White	4,517	4,474	5,301	5,880	6,059
More than one race	na	40	113	215	286
Other race or race not reported ^b	84	77	71	79	107
Ethnicity not reported	75	123	97	111	183
Physical sciences and earth sciences	3,034	2,358	2,567	3,148	3,717
Hispanic or Latino	86	77	114	159	216
Not Hispanic or Latino					
American Indian or Alaska Native	12	7	6	6	6
Asian ^a	459	217	203	257	357
Black or African American	57	71	90	102	94
White	2,316	1,896	2,029	2,470	2,824
More than one race	na	22	43	72	112
Other race or race not reported ^b	52	36	34	23	51
Ethnicity not reported	52	32	48	59	57
Mathematics and computer sciences	1,150	868	1,241	1,627	1,746
Hispanic or Latino	36	26	41	74	79
Not Hispanic or Latino					
American Indian or Alaska Native	2	5	3	2	1
Asian ^a	204	114	175	200	276
Black or African American	11	31	49	56	49
White	841	653	918	1,191	1,181
More than one race	na	7	14	42	50
Other race or race not reported ^b	22	11	22	15	40
Ethnicity not reported	34	21	19	47	70
Psychology and social sciences	5,796	5,363	5,272	6,319	6,874
Hispanic or Latino	265	314	350	542	578
Not Hispanic or Latino					
American Indian or Alaska Native	35	34	40	23	26
Asian ^a	351	277	314	437	532
Black or African American	299	337	320	369	531
White	4,588	4,131	3,923	4,570	4,763
More than one race	na	59	122	176	205
Other race or race not reported ^b	118	73	51	47	68
Ethnicity not reported	140	138	152	155	171

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(Number)

Field of study, ethnicity, and race	1997	2002	2007	2012	2017
Engineering	3,333	2,169	2,546	3,579	4,339
Hispanic or Latino	97	98	126	190	286
Not Hispanic or Latino					
American Indian or Alaska Native	17	6	7	6	10
Asian ^a	707	406	394	556	732
Black or African American	98	83	92	150	169
White	2,287	1,465	1,790	2,474	2,818
More than one race	na	19	47	75	114
Other race or race not reported ^b	65	38	32	42	66
Ethnicity not reported	62	54	58	86	144
Education	5,748	5,417	5,358	4,040	4,047
Hispanic or Latino	257	321	343	257	331
Not Hispanic or Latino					
American Indian or Alaska Native	51	42	37	29	22
Asian ^a	180	135	177	178	224
Black or African American	553	641	711	578	595
White	4,460	3,914	3,852	2,835	2,657
More than one race	na	51	76	81	83
Other race or race not reported ^b	65	66	32	24	37
Ethnicity not reported	182	247	130	58	98
Humanities and arts	4,452	4,320	3,894	4,434	4,290
Hispanic or Latino	212	250	251	331	309
Not Hispanic or Latino					
American Indian or Alaska Native	20	21	11	10	16
Asian ^a	192	185	205	206	181
Black or African American	158	163	175	182	148
White	3,696	3,463	3,064	3,463	3,354
More than one race	na	59	67	113	115
Other race or race not reported ^b	84	66	42	47	77
Ethnicity not reported	90	113	79	82	90
Other ^d	1,597	1,392	1,614	1,650	1,921
Hispanic or Latino	43	47	74	98	135
Not Hispanic or Latino					
American Indian or Alaska Native	12	11	6	4	3
Asian ^a	128	80	115	175	186
Black or African American	102	134	138	170	246
White	1,259	1,039	1,190	1,127	1,224
More than one race	na	12	23	33	51
Other race or race not reported ^b	19	20	20	16	25
Ethnicity not reported	34	49	48	27	51

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