

Table 1-11

U.S. citizen and permanent resident research doctorate recipients, by historical broad field of doctorate, ethnicity, and race: Selected years, 1977–2022

(Number)

Field, ethnicity, and race	1977	1982	1987	1992	1997	2002	2007	2012	2017	2022
All fields, U.S. citizens and permanent residents	27,561	25,689	24,585	28,005	31,097	27,737	29,501	32,981	35,736	35,311
Hispanic or Latino	490	615	709	909	1,203	1,370	1,655	2,144	2,536	3,354
Not Hispanic or Latino										
American Indian or Alaska Native	66	77	115	149	167	142	140	104	109	98
Asian ^a	893	1,007	1,169	1,755	3,109	2,091	2,308	2,943	3,499	3,586
Black or African American	1,187	1,150	908	1,109	1,476	1,666	1,891	2,055	2,400	2,647
White	23,533	22,185	21,121	23,626	23,964	21,035	22,067	24,010	24,844	23,320
More than one race	na	na	na	na	na	269	505	807	1,015	1,210
Other race or race not reported ^b	192	60	136	151	509	387	304	293	471	425
Ethnicity not reported	1,200	595	427	306	669	777	631	625	862	671
Life sciences ^c	4,197	4,852	4,529	5,106	5,987	5,850	7,009	8,184	8,827	9,230
Hispanic or Latino	38	71	90	140	207	237	356	493	605	940
Not Hispanic or Latino										
American Indian or Alaska Native	9	12	16	19	18	16	30	24	25	17
Asian ^a	183	215	252	361	888	677	725	934	1,013	1,062
Black or African American	76	79	109	115	198	206	316	448	568	594
White	3,679	4,333	3,954	4,390	4,517	4,474	5,301	5,880	6,054	6,061
More than one race	na	na	na	na	na	40	113	215	281	340
Other race or race not reported ^b	37	10	24	22	84	77	71	79	104	91
Ethnicity not reported	175	132	84	59	75	123	97	111	177	125
Physical sciences and earth sciences	2,798	2,627	2,657	2,857	3,034	2,358	2,567	3,148	3,715	3,868
Hispanic or Latino	45	31	61	85	86	77	114	159	215	315
Not Hispanic or Latino										
American Indian or Alaska Native	6	3	7	13	12	7	6	6	6	4
Asian ^a	175	156	160	250	459	217	203	257	360	370
Black or African American	34	29	21	31	57	71	90	102	92	98
White	2,351	2,331	2,328	2,421	2,316	1,896	2,029	2,470	2,815	2,840
More than one race	na	na	na	na	na	22	43	72	113	128
Other race or race not reported ^b	13	6	16	16	52	36	34	23	53	39
Ethnicity not reported	174	71	64	41	52	32	48	59	61	74
Mathematics and computer sciences	775	654	673	997	1,150	868	1,241	1,627	1,748	1,911
Hispanic or Latino	12	7	16	20	36	26	41	74	80	119
Not Hispanic or Latino										
American Indian or Alaska Native	1	2	3	4	2	5	3	2	1	3
Asian ^a	42	44	68	137	204	114	175	200	275	308

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U.S. citizen and permanent resident research doctorate recipients, by historical broad field of doctorate, ethnicity, and race: Selected years, 1977–2022

(Number)

Field, ethnicity, and race	1977	1982	1987	1992	1997	2002	2007	2012	2017	2022
Black or African American	9	7	13	9	11	31	49	56	50	73
White	672	573	547	804	841	653	918	1,191	1,183	1,239
More than one race	na	na	na	na	na	7	14	42	50	78
Other race or race not reported ^b	1	4	4	5	22	11	22	15	40	38
Ethnicity not reported	38	17	22	18	34	21	19	47	69	53
Psychology and social sciences	5,615	5,207	4,846	5,189	5,796	5,363	5,272	6,319	6,843	6,670
Hispanic or Latino	85	136	165	207	265	314	350	542	570	725
Not Hispanic or Latino										
American Indian or Alaska Native	13	21	23	27	35	34	40	23	26	27
Asian ^a	108	134	152	186	351	277	314	437	531	533
Black or African American	221	227	174	231	299	337	320	369	530	583
White	4,908	4,560	4,230	4,446	4,588	4,131	3,923	4,570	4,738	4,361
More than one race	na	na	na	na	na	59	122	176	207	226
Other race or race not reported ^b	39	8	24	34	118	73	51	47	68	91
Ethnicity not reported	241	121	78	58	140	138	152	155	173	124
Engineering	1,803	1,469	1,915	2,521	3,333	2,169	2,546	3,579	4,311	4,729
Hispanic or Latino	24	36	34	71	97	98	126	190	282	389
Not Hispanic or Latino										
American Indian or Alaska Native	1	3	7	11	17	6	7	6	10	7
Asian ^a	247	246	328	451	707	406	394	556	725	735
Black or African American	15	21	25	49	98	83	92	150	165	192
White	1,420	1,102	1,459	1,879	2,287	1,465	1,790	2,474	2,807	3,050
More than one race	na	na	na	na	na	19	47	75	113	181
Other race or race not reported ^b	13	16	5	20	65	38	32	42	65	63
Ethnicity not reported	83	45	57	40	62	54	58	86	144	112
Education	6,923	6,440	5,665	6,018	5,748	5,417	5,358	4,040	4,052	3,679
Hispanic or Latino	143	188	201	214	257	321	343	257	337	384
Not Hispanic or Latino										
American Indian or Alaska Native	29	29	41	50	51	42	37	29	23	22
Asian ^a	66	112	94	143	180	135	177	178	224	192
Black or African American	688	615	415	501	553	641	711	578	595	647
White	5,746	5,382	4,817	5,050	4,460	3,914	3,852	2,835	2,657	2,233
More than one race	na	na	na	na	na	51	76	81	84	103
Other race or race not reported ^b	49	10	36	22	65	66	32	24	38	27
Ethnicity not reported	202	104	61	38	182	247	130	58	94	71

Table 1-11**U.S. citizen and permanent resident research doctorate recipients, by historical broad field of doctorate, ethnicity, and race: Selected years, 1977–2022**

(Number)

Field, ethnicity, and race	1977	1982	1987	1992	1997	2002	2007	2012	2017	2022
Humanities and arts	4,133	3,165	2,929	3,745	4,452	4,320	3,894	4,434	4,297	3,462
Hispanic or Latino	119	127	119	130	212	250	251	331	309	342
Not Hispanic or Latino										
American Indian or Alaska Native	5	5	12	21	20	21	11	10	15	8
Asian ^a	43	49	55	116	192	185	205	206	182	186
Black or African American	90	100	79	93	158	163	175	182	149	203
White	3,625	2,799	2,603	3,335	3,696	3,463	3,064	3,463	3,360	2,488
More than one race	na	na	na	na	na	59	67	113	114	107
Other race or race not reported ^b	33	4	17	14	84	66	42	47	77	43
Ethnicity not reported	218	81	44	36	90	113	79	82	91	85
Other ^d	1,317	1,275	1,371	1,572	1,597	1,392	1,614	1,650	1,943	1,762
Hispanic or Latino	24	19	23	42	43	47	74	98	138	140
Not Hispanic or Latino										
American Indian or Alaska Native	2	2	6	4	12	11	6	4	3	10
Asian ^a	29	51	60	111	128	80	115	175	189	200
Black or African American	54	72	72	80	102	134	138	170	251	257
White	1,132	1,105	1,183	1,301	1,259	1,039	1,190	1,127	1,230	1,048
More than one race	na	na	na	na	na	12	23	33	53	47
Other race or race not reported ^b	7	2	10	18	19	20	20	16	26	33
Ethnicity not reported	69	24	17	16	34	49	48	27	53	27

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

^a Includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.^b Before 2001, this category included doctorate recipients who selected more than one race. Since 2001, this category has included Native Hawaiians or Other Pacific Islanders, who previously had been included in the category Asian.^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.**Note(s):**Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection; the historical fields were constructed using the SED-CIP code crosswalk in table A-6. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).**Source(s):**

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