

Table 1-11

U.S. citizen and permanent resident research doctorate recipients, by historical broad field of doctorate, ethnicity, and race: Selected years, 1976–2021

(Number)

Field, ethnicity, and race	1976	1981	1986	1991	1996	2001	2006	2011	2016	2021
All fields, U.S. citizens and permanent residents	28,829	26,362	24,541	27,437	31,548	28,894	29,028	31,725	35,678	31,674
Hispanic or Latino	377	530	679	869	1,115	1,266	1,532	1,989	2,548	2,856
Not Hispanic or Latino										
American Indian or Alaska Native	40	85	99	132	186	142	113	127	128	100
Asian ^a	964	1,071	1,058	1,529	3,674	2,134	2,391	2,832	3,084	3,022
Black or African American	1,141	1,109	950	1,166	1,446	1,640	1,789	1,899	2,358	2,431
White	24,854	22,478	21,235	23,184	24,668	22,179	21,923	23,278	25,502	21,333
More than one race	na	na	na	na	na	301	464	722	1,033	1,088
Other race or race not reported ^b	158	10	150	127	192	355	287	248	272	376
Ethnicity not reported	1,295	1,079	370	430	267	877	529	630	753	468
Life sciences ^c	4,300	4,787	4,593	5,096	6,084	5,956	6,506	7,892	8,683	8,214
Hispanic or Latino	34	64	97	130	184	220	306	471	652	744
Not Hispanic or Latino										
American Indian or Alaska Native	3	13	24	19	32	21	16	25	26	24
Asian ^a	196	215	223	336	1,068	666	696	853	914	913
Black or African American	79	92	85	123	174	211	299	428	510	531
White	3,771	4,196	4,075	4,401	4,536	4,588	4,927	5,753	6,113	5,552
More than one race	na	na	na	na	na	55	97	180	263	271
Other race or race not reported ^b	28	1	18	26	42	69	61	67	54	79
Ethnicity not reported	189	206	71	61	48	126	104	115	151	100
Physical sciences and earth sciences	2,881	2,547	2,567	2,890	3,078	2,447	2,479	3,048	3,669	3,340
Hispanic or Latino	18	36	45	80	87	74	100	159	186	261
Not Hispanic or Latino										
American Indian or Alaska Native	0	1	6	13	7	12	5	9	8	9
Asian ^a	198	162	159	185	571	226	206	252	302	275
Black or African American	24	26	27	35	61	59	55	86	97	87
White	2,463	2,164	2,245	2,502	2,292	1,958	2,022	2,388	2,879	2,509
More than one race	na	na	na	na	na	29	27	75	110	132
Other race or race not reported ^b	16	0	23	12	24	32	24	28	17	34
Ethnicity not reported	162	158	62	63	36	57	40	51	70	33
Mathematics and computer sciences	804	714	652	968	1,162	957	1,207	1,603	1,729	1,671
Hispanic or Latino	9	5	19	21	27	23	33	50	95	107
Not Hispanic or Latino										
American Indian or Alaska Native	0	1	1	1	5	3	2	4	3	1

Table 1-11

U.S. citizen and permanent resident research doctorate recipients, by historical broad field of doctorate, ethnicity, and race: Selected years, 1976–2021

(Number)

Field, ethnicity, and race	1976	1981	1986	1991	1996	2001	2006	2011	2016	2021
Asian ^a	48	56	65	123	251	113	201	234	216	254
Black or African American	5	11	7	19	20	31	34	51	79	70
White	696	611	537	773	834	742	882	1,179	1,207	1,119
More than one race	na	na	na	na	na	9	21	35	65	64
Other race or race not reported ^b	5	0	8	3	8	8	15	11	16	27
Ethnicity not reported	41	30	15	28	17	28	19	39	48	29
Psychology and social sciences	5,769	5,574	4,984	5,199	5,834	5,543	5,381	6,070	6,798	6,167
Hispanic or Latino	61	123	158	217	264	285	372	503	581	692
Not Hispanic or Latino										
American Indian or Alaska Native	8	13	21	21	40	32	22	33	30	24
Asian ^a	96	133	129	169	374	275	338	396	428	450
Black or African American	179	210	204	264	284	329	355	399	491	541
White	5,133	4,883	4,367	4,418	4,789	4,304	3,996	4,380	4,823	4,056
More than one race	na	na	na	na	na	71	113	156	218	225
Other race or race not reported ^b	28	4	27	22	39	79	57	49	72	82
Ethnicity not reported	264	208	78	88	44	168	128	154	155	97
Engineering	1,949	1,472	1,727	2,475	3,390	2,458	2,500	3,350	4,181	4,073
Hispanic or Latino	16	17	35	61	99	91	113	188	271	331
Not Hispanic or Latino										
American Indian or Alaska Native	0	4	6	6	14	6	4	7	8	6
Asian ^a	278	285	262	405	896	421	441	563	644	635
Black or African American	20	19	24	55	74	85	102	130	173	163
White	1,517	1,093	1,354	1,838	2,263	1,738	1,720	2,294	2,811	2,706
More than one race	na	na	na	na	na	24	45	72	120	126
Other race or race not reported ^b	14	0	16	20	9	30	32	22	35	59
Ethnicity not reported	104	54	30	90	35	63	43	74	119	47
Education	7,246	6,717	5,803	5,788	6,075	5,462	5,171	3,878	4,303	3,431
Hispanic or Latino	129	162	204	189	218	275	296	230	320	322
Not Hispanic or Latino										
American Indian or Alaska Native	21	39	26	56	60	38	35	30	30	22
Asian ^a	67	120	95	130	180	137	174	181	210	187
Black or African American	679	593	463	472	607	633	639	495	642	562
White	6,105	5,576	4,921	4,888	4,939	4,061	3,844	2,763	2,891	2,134
More than one race	na	na	na	na	na	47	58	83	102	113

Table 1-11**U.S. citizen and permanent resident research doctorate recipients, by historical broad field of doctorate, ethnicity, and race: Selected years, 1976–2021**

(Number)

Field, ethnicity, and race	1976	1981	1986	1991	1996	2001	2006	2011	2016	2021
Other race or race not reported ^b	39	3	32	23	33	41	47	25	33	29
Ethnicity not reported	206	224	62	30	38	230	78	71	75	62
Humanities and arts	4,539	3,358	2,911	3,491	4,261	4,601	4,240	4,191	4,450	3,142
Hispanic or Latino	84	105	98	139	184	239	239	287	319	285
Not Hispanic or Latino										
American Indian or Alaska Native	2	11	6	10	20	22	21	13	19	6
Asian ^a	54	52	50	88	194	201	224	198	181	152
Black or African American	97	86	71	101	129	165	170	156	169	171
White	4,012	2,960	2,625	3,093	3,669	3,707	3,390	3,328	3,529	2,311
More than one race	na	na	na	na	na	49	82	84	112	109
Other race or race not reported ^b	22	1	21	13	30	74	37	28	28	47
Ethnicity not reported	268	143	40	47	35	144	77	97	93	61
Other ^d	1,341	1,193	1,304	1,530	1,664	1,470	1,544	1,693	1,865	1,636
Hispanic or Latino	26	18	23	32	52	59	73	101	124	114
Not Hispanic or Latino										
American Indian or Alaska Native	6	3	9	6	8	8	8	6	4	8
Asian ^a	27	48	75	93	140	95	111	155	189	156
Black or African American	58	72	69	97	97	127	135	154	197	306
White	1,157	995	1,111	1,271	1,346	1,081	1,142	1,193	1,249	946
More than one race	na	na	na	na	na	17	21	37	43	48
Other race or race not reported ^b	6	1	5	8	7	22	14	18	17	19
Ethnicity not reported	61	56	12	23	14	61	40	29	42	39

na = not applicable; respondents 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 respondents 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 in 2021 may not be comparable to prior years; see the "Technical Notes" for more information, table A-4 for a summary of SED-CIP codes in the new SED field taxonomy, and table A-5 for a full list of SED-CIP codes in the new field taxonomy.

Source(s):

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