

TABLE 32

Median years to doctorate, by sex, citizenship status, ethnicity, race, and broad field of study: 2018

(Median years and number)

Time to degree and demographic characteristic	All fields		Life sciences ^a		Physical sciences and earth sciences		Mathematics and computer sciences		Psychology and social sciences		Engineering		Education		Humanities and arts		Other ^b	
	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number
Years since bachelor's																		
All doctorate recipients ^c	8.6	52,342	8.2	12,214	7.0	6,072	7.6	3,825	9.3	8,401	7.3	9,666	14.7	4,600	11.0	4,848	11.2	2,716
Sex																		
Male	8.3	28,276	8.1	5,397	7.0	4,032	7.6	2,896	9.4	3,452	7.4	7,348	14.4	1,416	11.0	2,406	11.3	1,329
Female	9.1	24,065	8.3	6,816	6.7	2,040	8.0	929	9.3	4,949	7.0	2,318	15.0	3,184	11.0	2,442	11.0	1,387
Citizenship status																		
U.S. citizen or permanent resident	9.0	34,813	8.0	8,874	6.6	3,731	7.3	1,710	9.3	6,568	7.0	4,170	15.3	3,975	11.0	4,071	12.3	1,714
Temporary visa holder	8.3	17,004	8.6	3,244	7.3	2,305	7.9	2,070	9.3	1,729	7.6	5,420	12.0	581	10.9	692	9.9	963
Ethnicity and race (U.S. citizens and permanent residents)																		
Hispanic or Latino	8.9	2,534	8.0	646	6.5	217	7.1	92	9.3	580	6.7	276	13.7	300	11.0	342	12.0	81
Not Hispanic or Latino																		
American Indian or Alaska Native	11.3	110	11.1	20	7.6	9	D	D	10.0	31	8.1	7	16.7	23	12.9	12	D	D
Asian	8.6	3,247	8.3	974	7.0	351	7.9	226	9.5	468	7.3	672	15.9	198	12.1	197	11.3	161
Black or African American	11.6	2,413	9.6	577	7.8	102	8.0	64	11.1	515	7.6	166	16.0	573	12.0	199	15.6	217
White	8.7	24,645	8.0	6,188	6.5	2,882	7.3	1,224	9.3	4,574	6.6	2,804	15.3	2,691	11.0	3,127	12.0	1,155
More than one race	8.6	1,095	7.6	284	6.5	101	7.2	58	9.3	252	6.4	129	13.0	114	10.8	112	12.5	45

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	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number
Other race or race not reported	9.6	344	9.2	95	7.6	26	D	D	9.8	72	7.3	55	19.3	27	13.0	27	D	D
Ethnicity not reported	9.4	425	8.3	90	6.6	43	8.0	23	9.5	76	7.4	61	14.3	49	12.6	55	11.4	28
Years since entering graduate school																		
All doctorate recipients ^d	7.3	50,736	6.8	11,945	6.3	5,933	6.8	3,731	7.8	8,025	6.7	9,416	11.9	4,429	9.4	4,673	9.2	2,584
Sex																		
Male	7.3	27,469	6.8	5,287	6.3	3,939	6.8	2,821	7.9	3,305	6.8	7,162	11.5	1,365	9.6	2,320	9.2	1,270
Female	7.8	23,260	6.9	6,655	6.0	1,994	6.9	910	7.8	4,719	6.3	2,253	12.0	3,064	9.3	2,353	9.3	1,312
Citizenship status																		
U.S. citizen or permanent resident	7.3	33,736	6.7	8,683	6.0	3,640	6.8	1,673	7.8	6,303	6.3	4,055	12.3	3,836	9.3	3,942	9.8	1,604
Temporary visa holder	7.5	16,595	7.7	3,188	6.9	2,264	7.0	2,015	8.7	1,665	6.9	5,283	9.3	555	9.8	682	8.7	943
Ethnicity and race (U.S. citizens and permanent residents)																		
Hispanic or Latino	7.5	2,454	6.8	642	6.0	212	6.8	90	7.8	539	6.0	273	11.3	293	9.2	330	9.8	75
Not Hispanic or Latino																		
American Indian or Alaska Native	9.3	100	9.3	20	D	D	D	D	8.7	28	D	D	13.2	20	13.8	11	D	D
Asian	7.3	3,187	6.9	969	6.3	347	7.1	227	7.9	453	6.7	658	12.7	193	10.3	190	9.5	150

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	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number
Black or African American	9.7	2,340	7.8	563	6.8	98	7.6	63	9.3	499	6.8	162	13.3	559	9.8	194	12.8	202
White	7.3	24,081	6.5	6,085	5.9	2,840	6.6	1,202	7.3	4,438	6.0	2,756	12.3	2,603	9.2	3,066	9.3	1,091
More than one race	7.0	1,101	6.3	285	5.8	101	6.0	58	7.8	252	6.0	129	10.7	117	9.5	112	9.0	47
Other race or race not reported	8.3	296	7.3	83	D	D	D	D	8.0	63	D	D	17.7	27	11.8	24	D	D
Ethnicity not reported	8.0	177	7.0	36	6.0	16	6.8	12	8.2	31	7.8	28	12.1	24	11.7	15	8.0	15
Years since entering doctoral program ^e																		
All doctorate recipients ^f	5.8	49,521	5.5	11,718	5.7	5,807	5.7	3,652	6.0	7,805	5.3	9,166	5.8	4,312	6.8	4,561	5.2	2,500
Sex																		
Male	5.7	26,775	5.5	5,171	5.8	3,853	5.7	2,766	5.9	3,213	5.3	6,967	5.7	1,327	6.8	2,258	5.0	1,220
Female	5.8	22,739	5.5	6,544	5.4	1,954	5.8	886	6.0	4,591	5.2	2,198	5.8	2,985	6.8	2,303	5.3	1,278
Citizenship status																		
U.S. citizen or permanent resident	5.8	32,906	5.7	8,511	5.7	3,567	5.8	1,643	6.0	6,113	5.3	3,946	5.8	3,731	6.8	3,847	5.3	1,548
Temporary visa holder	5.3	16,225	5.3	3,136	5.6	2,211	5.3	1,966	5.8	1,638	5.0	5,146	5.0	545	6.3	667	5.0	916
Ethnicity and race (U.S. citizens and permanent residents)																		
Hispanic or Latino	5.9	2,383	5.8	629	5.8	204	5.8	89	6.0	515	5.3	265	5.8	285	6.8	325	5.3	71

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	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number
Not Hispanic or Latino																		
American Indian or Alaska Native	6.0	96	5.3	19	6.5	7	D	D	6.6	26	D	D	D	D	6.8	11	D	D
Asian	5.8	3,100	5.7	939	5.8	341	5.8	222	6.1	440	5.6	642	5.8	185	7.7	185	5.8	146
Black or African American	5.9	2,240	5.8	546	5.5	94	5.9	63	6.0	477	5.0	156	6.0	528	6.8	188	6.0	188
White	5.8	23,566	5.5	5,987	5.7	2,787	5.8	1,182	6.0	4,327	5.3	2,683	5.8	2,550	6.8	2,989	5.2	1,061
More than one race	5.8	1,079	5.3	281	5.8	100	5.8	55	6.0	245	5.4	127	6.6	115	7.0	111	5.0	45
Other race or race not reported	5.8	272	5.6	75	4.8	19	D	D	6.3	54	D	D	D	D	8.0	23	D	D
Ethnicity not reported	5.9	170	5.7	35	5.9	15	5.5	12	6.8	29	5.3	26	5.7	24	8.6	15	6.2	14

D = suppressed to avoid disclosure of confidential information.

^a Includes agricultural sciences and natural resources; biological and biomedical sciences; and health sciences.^b Includes other non-science and engineering fields not shown separately.^c Includes only cases with valid year of bachelor's award.^d Includes only cases with valid year of entry into graduate school.^e Years since entering doctoral program is based on master's degree program entry if the master's degree was at the doctoral institution in the same fine field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.^f Includes only cases with valid year of entry into master's program if master's degree was at the doctoral institution in the same fine field of study or was a prerequisite to the doctorate; otherwise, includes only cases with valid year of doctoral program entry.**Source(s)**

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