

TABLE 1-6

Research doctorate recipients, by trend broad field of doctorate and citizenship status: Selected years, 1978–2023

(Number)

Field and citizenship status	1978	1983	1988	1993	1998	2003	2008	2013	2018	2023
All fields	30,875	31,280	33,497	39,800	42,636	40,762	48,776	52,703	55,078	57,862
U.S. citizen or permanent resident	26,683	25,698	24,932	28,722	31,204	28,170	30,844	33,964	35,349	35,566
Temporary visa holder	3,475	4,555	6,241	9,964	9,461	10,597	15,261	15,674	17,582	19,393
Unknown citizenship	717	1,027	2,324	1,114	1,971	1,995	2,671	3,065	2,147	2,903
Science and engineering	17,977	19,130	21,697	26,486	28,636	26,759	34,765	39,084	42,144	45,533
U.S. citizen or permanent resident	14,874	14,963	15,121	17,397	19,338	16,867	19,907	23,503	25,436	26,622
Temporary visa holder	2,656	3,532	5,078	8,332	8,012	8,694	13,053	13,444	15,204	16,768
Unknown citizenship	447	635	1,498	757	1,286	1,198	1,805	2,137	1,504	2,143
Agricultural sciences and natural resources	1,085	1,268	1,277	1,235	1,315	1,226	1,252	1,391	1,499	1,477
U.S. citizen or permanent resident	724	841	775	647	708	628	675	769	823	845
Temporary visa holder	342	400	423	567	562	524	516	539	630	580
Unknown citizenship	19	27	79	21	45	74	61	83	46	52
Biological and biomedical sciences	3,516	3,817	4,208	5,212	6,011	5,927	8,145	8,707	8,782	9,575
U.S. citizen or permanent resident	3,139	3,399	3,412	3,844	4,455	4,250	5,405	6,044	6,396	6,906
Temporary visa holder	297	338	566	1,277	1,351	1,434	2,364	2,211	2,157	2,299
Unknown citizenship	80	80	230	91	205	243	376	452	229	370
Computer and information sciences	121	286	515	880	927	866	1,787	1,843	2,000	2,687
U.S. citizen or permanent resident	90	208	326	510	563	447	697	758	742	965
Temporary visa holder	27	74	176	348	326	379	1,005	990	1,163	1,573
Unknown citizenship	4	4	13	22	38	40	85	95	95	149
Engineering	2,423	2,781	4,186	5,698	5,922	5,279	7,863	9,000	10,164	11,403
U.S. citizen or permanent resident	1,588	1,485	2,150	2,700	3,048	2,180	2,958	3,767	4,213	4,804
Temporary visa holder	781	1,191	1,730	2,791	2,581	2,913	4,492	4,759	5,575	6,034
Unknown citizenship	54	105	306	207	293	186	413	474	376	565
Geosciences, atmospheric, and ocean sciences	578	587	670	721	766	682	865	989	1,185	1,231
U.S. citizen or permanent resident	499	474	494	463	534	451	536	654	760	782
Temporary visa holder	69	97	131	228	202	201	293	290	392	395
Unknown citizenship	10	16	45	30	30	30	36	45	33	54
Health sciences	485	518	737	1,016	1,285	1,353	1,689	2,109	2,473	2,435
U.S. citizen or permanent resident	433	439	581	814	987	1,020	1,199	1,539	1,809	1,729
Temporary visa holder	36	58	97	163	244	268	372	427	573	564
Unknown citizenship	16	21	59	39	54	65	118	143	91	142
Mathematics and statistics	838	701	749	1,146	1,177	993	1,400	1,817	2,022	2,167
U.S. citizen or permanent resident	666	459	388	590	673	517	673	873	994	977
Temporary visa holder	157	208	307	518	444	440	651	843	965	1,112
Unknown citizenship	15	34	54	38	60	36	76	101	63	78

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(Number)

Field and citizenship status	1978	1983	1988	1993	1998	2003	2008	2013	2018	2023
Physical sciences	2,611	2,801	3,316	3,681	3,800	3,289	4,081	4,595	5,144	5,460
U.S. citizen or permanent resident	2,167	2,189	2,239	2,317	2,444	1,953	2,138	2,593	3,008	3,176
Temporary visa holder	400	540	873	1,261	1,193	1,216	1,734	1,742	1,981	2,076
Unknown citizenship	44	72	204	103	163	120	209	260	155	208
Psychology	3,055	3,346	3,074	3,420	3,673	3,277	3,357	3,592	3,821	3,899
U.S. citizen or permanent resident	2,862	3,116	2,730	3,161	3,275	2,867	2,892	3,067	3,309	3,249
Temporary visa holder	61	81	85	150	168	196	249	282	284	366
Unknown citizenship	132	149	259	109	230	214	216	243	228	284
Social sciences	3,265	3,025	2,965	3,477	3,760	3,867	4,326	5,041	5,054	5,199
U.S. citizen or permanent resident	2,706	2,353	2,026	2,351	2,651	2,554	2,734	3,439	3,382	3,189
Temporary visa holder	486	545	690	1,029	941	1,123	1,377	1,361	1,484	1,769
Unknown citizenship	73	127	249	97	168	190	215	241	188	241
Non-science and engineering	12,898	12,150	11,800	13,314	14,000	14,003	14,011	13,619	12,934	12,329
U.S. citizen or permanent resident	11,809	10,735	9,811	11,325	11,866	11,303	10,937	10,461	9,913	8,944
Temporary visa holder	819	1,023	1,163	1,632	1,449	1,903	2,208	2,230	2,378	2,625
Unknown citizenship	270	392	826	357	685	797	866	928	643	760
Business	713	750	1,033	1,281	1,175	1,036	1,421	1,551	1,473	1,560
U.S. citizen or permanent resident	572	578	694	843	853	615	703	831	740	681
Temporary visa holder	131	151	258	394	268	356	619	600	642	770
Unknown citizenship	10	21	81	44	54	65	99	120	91	109
Education	7,194	7,174	6,361	6,689	6,569	6,651	6,561	4,934	4,818	4,562
U.S. citizen or permanent resident	6,635	6,408	5,478	5,969	5,748	5,650	5,584	4,118	4,025	3,755
Temporary visa holder	414	563	485	554	487	588	567	515	611	546
Unknown citizenship	145	203	398	166	334	413	410	301	182	261
Humanities and arts	4,176	3,451	3,548	4,372	5,308	5,226	4,688	5,662	5,139	4,453
U.S. citizen or permanent resident	3,910	3,094	2,998	3,752	4,497	4,297	3,706	4,493	4,145	3,333
Temporary visa holder	174	229	309	506	556	694	715	770	739	849
Unknown citizenship	92	128	241	114	255	235	267	399	255	271
Other non-science and engineering	815	775	858	972	948	1,090	1,341	1,472	1,504	1,754
U.S. citizen or permanent resident	692	655	641	761	768	741	944	1,019	1,003	1,175
Temporary visa holder	100	80	111	178	138	265	307	345	386	460
Unknown citizenship	23	40	106	33	42	84	90	108	115	119

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 trend 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 about the field taxonomy changes, see the "Technical Notes."

Source(s):

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