

TABLE 22. Doctorate recipients, by citizenship status, ethnicity, race, and subfield of study: 2014

Subfield of study	U.S. citizens and permanent residents											
	All doctorate recipients <sup>a</sup>	Temporary visa holders	Total	Not Hispanic or Latino							Other race or race not reported	Ethnicity not reported
				Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race			
All fields	54,070	15,852	34,005	2,196	103	2,883	2,167	24,824	876	272	684	
Life sciences	12,504	3,156	8,438	535	21	872	502	6,092	232	63	121	
Agricultural sciences and natural resources	1,303	498	728	48	5	42	36	569	8	7	13	
Agricultural economics	96	48	44	1	0	9	3	27	1	2	1	
Agronomy, horticulture science, plant breeding, plant pathology, plant sciences-other	320	139	172	8	1	10	10	140	2	1	0	
Animal nutrition, poultry science	75	40	32	3	0	0	2	27	0	0	0	
Animal science, other	102	32	63	4	1	3	2	51	1	1	0	
Environmental science	214	55	139	11	0	9	8	100	2	1	8	
Fishing and fisheries sciences/management	52	15	36	1	1	0	0	32	0	1	1	
Food science, food technology-other	131	78	47	8	0	4	3	31	1	0	0	
Forest biology, forest management, wood science, forestry sciences-other	75	29	42	3	0	3	0	34	1	0	1	
Natural resources/conservation	71	11	47	3	2	0	2	39	0	0	1	
Soil chemistry, soil sciences-other	66	27	38	2	0	2	0	33	0	0	1	
Wildlife/range management	29	3	25	1	0	0	0	24	0	0	0	
Agricultural sciences/natural resources, aggregated	72	21	43	3	0	2	6	31	0	1	0	
Biological, biomedical sciences	8,991	2,241	6,097	391	8	699	282	4,404	184	46	83	
Anatomy, developmental biology	213	67	131	10	0	16	2	98	4	1	0	
Bacteriology, parasitology	51	13	37	5	0	2	2	26	2	0	0	
Biochemistry	820	271	497	27	0	59	25	357	15	4	10	
Bioinformatics	185	75	89	4	1	16	4	58	5	1	0	
Biomedical sciences	439	120	277	29	0	35	17	182	6	2	6	
Biometrics and biostatistics	165	72	82	2	0	25	5	45	4	1	0	
Biophysics (biology)	186	66	116	10	0	22	5	78	0	1	0	
Botany, plant pathology, plant physiology	139	49	77	6	0	5	1	61	2	1	1	
Cancer biology	457	134	293	24	0	48	14	193	7	2	5	
Cell/cellular biology and histology	331	79	230	11	0	36	13	159	8	1	2	
Computational biology	117	44	68	4	0	11	4	43	1	3	2	
Ecology	450	63	375	27	1	8	4	313	13	2	7	
Endocrinology, human/animal pathology	125	26	90	9	0	13	10	56	2	0	0	
Entomology	114	29	80	7	0	5	1	65	1	0	1	
Environmental toxicology, toxicology	166	34	126	7	1	9	5	98	3	0	3	
Epidemiology	292	49	213	11	0	20	21	145	10	1	5	
Evolutionary biology	215	41	167	7	0	9	7	136	8	0	0	
Genetics-human/animal, plant genetics	450	123	303	7	1	30	10	231	18	1	5	
Immunology	452	104	328	22	0	48	15	231	9	3	0	
Marine biology and biological oceanography	111	12	97	5	1	4	1	82	4	0	0	
Microbiology	466	98	336	20	1	28	18	254	8	1	6	
Molecular biology	673	162	465	33	0	63	13	334	13	7	2	

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Neurosciences and neurobiology	1,052	181	801	53	1	100	29	578	26	6	8	
Nutrition sciences	175	47	116	2	0	14	3	91	2	2	2	
Pharmacology, human and animal	294	81	168	9	1	26	18	108	4	0	2	
Physiology, human and animal	208	39	147	10	0	15	10	109	2	1	0	
Structural biology	60	22	35	2	0	5	1	27	0	0	0	
Virology	162	40	120	9	0	4	9	92	3	2	1	
Wildlife biology	36	2	32	4	0	0	1	25	1	0	1	
Zoology	33	6	26	0	0	1	0	23	2	0	0	
Biology/biomedical sciences, general	242	57	118	11	0	17	10	67	1	3	9	
Biotechnology, biology/biomedical sciences-other	112	35	57	4	0	5	4	39	0	0	5	
Health sciences	2,210	417	1,613	96	8	131	184	1,119	40	10	25	
Environmental health, public health	476	70	377	19	3	29	93	208	18	4	3	
Health and behavior	87	10	73	11	0	2	9	48	3	0	0	
Health policy analysis	50	5	41	2	0	4	4	29	1	0	1	
Health systems/services administration	89	11	62	5	0	8	10	36	1	0	2	
Kinesiology/exercise physiology	250	32	200	13	0	7	6	163	3	2	6	
Nursing science	567	35	493	29	5	26	37	380	10	3	3	
Pharmaceutical sciences	278	142	97	5	0	28	8	53	1	0	2	
Rehabilitation/therapeutic services	83	29	52	2	0	4	3	43	0	0	0	
Speech-language pathology and audiology	114	24	83	3	0	9	3	66	1	0	1	
Health sciences, aggregated	216	59	135	7	0	14	11	93	2	1	7	
Physical sciences	9,859	4,094	5,061	275	13	495	178	3,823	127	47	103	
Astronomy	290	72	200	13	1	11	4	164	3	1	3	
Astronomy	113	24	77	4	0	5	1	64	1	0	2	
Astrophysics	171	45	120	9	1	6	3	97	2	1	1	
Astronomy, other	6	3	3	0	0	0	0	3	0	0	0	
Atmospheric science and meteorology	200	71	121	7	0	1	4	105	1	1	2	
Atmospheric physics, meteorology	83	30	52	5	0	0	2	44	1	0	0	
Atmospheric chemistry, atmospheric sciences-general, atmospheric sciences-other	117	41	69	2	0	1	2	61	0	1	2	
Chemistry	2,673	1,002	1,447	103	6	122	62	1,070	44	11	29	
Analytical chemistry	416	189	221	15	0	20	15	158	11	1	1	
Inorganic chemistry	373	108	259	17	2	16	13	202	6	1	2	
Medicinal chemistry	86	34	44	2	0	10	4	23	5	0	0	
Organic chemistry	604	221	358	35	2	35	12	261	9	4	0	
Physical chemistry	341	135	195	5	0	12	5	162	4	2	5	
Polymer chemistry	127	77	49	3	0	2	3	39	0	1	1	
Theoretical chemistry	103	50	51	2	0	4	2	42	1	0	0	
Chemistry, general	414	112	148	10	1	10	5	100	2	1	19	

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Chemistry, other	209	76	122	14	1	13	3	83	6	1	1		
Computer and information sciences	2,072	1,067	848	30	3	143	39	593	18	7	15		
Computer science	1,668	918	640	22	1	114	23	453	11	5	11		
Information science and systems	151	45	87	5	1	11	9	56	3	0	2		
Robotics	81	34	44	1	1	9	1	29	1	0	2		
Computer and information science, general	94	42	42	2	0	5	4	31	0	0	0		
Computer and information science, other	78	28	35	0	0	4	2	24	3	2	0		
Geological and earth sciences	581	178	368	17	0	13	7	309	12	4	6		
Geochemistry, mineralogy	101	27	73	2	0	1	1	65	4	0	0		
Geology	131	32	89	5	0	2	0	76	3	2	1		
Geomorphology, geological sciences-general, geological sciences-other	146	35	95	6	0	5	2	78	2	0	2		
Geophysics and seismology	150	72	70	2	0	5	4	53	2	2	2		
Paleontology, stratigraphy	53	12	41	2	0	0	0	37	1	0	1		
Mathematics	1,879	819	934	38	2	87	37	725	17	7	21		
Algebra	173	48	120	2	0	8	3	101	2	2	2		
Analysis and functional analysis	137	57	80	5	0	4	4	67	0	0	0		
Applied mathematics, computing theory	495	246	231	13	1	17	9	184	6	1	0		
Geometry/geometric analysis	120	62	58	2	1	5	0	49	0	1	0		
Logic, topology/foundations	104	29	73	2	0	5	2	61	3	0	0		
Number theory	83	27	56	4	0	4	1	44	3	0	0		
Operations research, mathematics/statistics-general, mathematics/statistics-other	359	135	156	5	0	18	8	105	1	2	17		
Statistics (mathematics)	408	215	160	5	0	26	10	114	2	1	2		
Ocean/marine sciences	208	65	138	9	0	5	5	110	6	1	2		
Oceanography, chemical and physical	88	28	59	6	0	4	3	41	4	1	0		
Ocean/marine sciences, aggregated	120	37	79	3	0	1	2	69	2	0	2		
Physics	1,956	820	1,005	58	1	113	20	747	26	15	25		
Acoustics, optics/photronics	212	97	106	4	0	16	3	80	0	1	2		
Applied physics	156	50	81	2	0	9	0	65	3	2	0		
Atomic physics, polymer physics	165	77	80	5	0	8	2	62	3	0	0		
Biophysics (physics)	131	58	68	5	1	9	1	50	0	0	2		
Condensed matter/low temperature physics	391	212	173	14	0	22	1	130	4	2	0		
Medical physics/radiological science	103	23	70	5	0	16	3	40	5	0	1		
Nuclear physics	103	42	59	3	0	4	1	45	2	1	3		
Particle (elementary) physics	245	104	139	9	0	14	2	104	4	5	1		
Plasma/fusion physics	83	30	52	0	0	3	2	44	2	0	1		
Physics, general	231	82	98	5	0	5	1	69	1	3	14		
Physics, other	136	45	79	6	0	7	4	58	2	1	1		

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Psychology and social sciences	8,657	1,553	6,268	453	26	397	417	4,632	169	41	133	
Psychology	3,765	251	3,046	242	13	161	178	2,275	82	18	77	
Behavioral analysis	51	9	40	1	0	2	2	33	1	0	1	
Clinical psychology	1,244	43	1,006	94	7	48	49	742	26	4	36	
Cognitive psychology and psycholinguistics	202	28	162	10	0	11	3	131	2	1	4	
Counseling	382	17	322	30	3	15	32	225	13	1	3	
Developmental and child psychology	244	21	207	21	0	17	5	155	6	2	1	
Educational psychology (psychology)	64	8	49	3	0	4	6	35	1	0	0	
Experimental psychology	143	21	118	7	0	4	2	96	8	0	1	
Family psychology, human development and family studies	185	17	157	11	0	12	16	115	2	1	0	
Health and medical psychology	79	5	71	5	0	5	5	53	0	1	2	
Industrial and organizational psychology	208	16	166	14	1	9	14	114	5	2	7	
Neuropsychology/physiological psychology	122	6	109	7	0	6	2	92	0	0	2	
School psychology (psychology)	111	4	96	4	0	2	8	80	2	0	0	
Social psychology	242	19	211	20	0	16	8	159	6	2	0	
Psychology, general	280	12	157	6	1	5	7	112	4	2	20	
Psychology, aggregated	208	25	175	9	1	5	19	133	6	2	0	
Social sciences	4,892	1,302	3,222	211	13	236	239	2,357	87	23	56	
Anthropology, cultural	268	49	211	20	0	15	13	145	13	2	3	
Anthropology, physical and biological	73	13	59	4	1	0	0	52	0	0	2	
Anthropology, general	186	26	137	22	2	8	6	90	6	1	2	
Economics, econometrics	1,145	604	442	23	0	57	15	327	10	2	8	
Natural resource/environmental economics (social sciences)	49	22	26	1	0	2	1	20	2	0	0	
Political science and government	776	145	571	33	0	28	28	458	12	4	8	
Sociology	678	92	540	36	3	41	45	395	16	2	2	
Other social sciences	1,717	351	1,236	72	7	85	131	870	28	12	31	
Area/ethnic/cultural studies	90	9	68	7	0	10	15	27	5	2	2	
Criminal justice and corrections	80	6	67	3	0	3	12	47	1	1	0	
Criminology	79	1	76	6	0	4	3	58	3	0	2	
Demography, gerontology, statistics, urban affairs, social sciences-general, social sciences-other	332	57	230	15	1	18	35	150	1	2	8	
Gender and women's studies	41	4	34	3	1	1	9	18	1	1	0	
Geography	291	61	214	9	1	10	6	173	5	3	7	
International relations/affairs	104	27	72	5	0	8	6	51	0	0	2	
Linguistics	277	87	170	8	2	10	3	142	2	1	2	
Natural resource/environmental policy	36	7	27	0	0	3	1	22	1	0	0	
Public policy analysis	276	49	213	11	2	14	32	145	5	0	4	
Urban/city, community and regional planning	111	43	65	5	0	4	9	37	4	2	4	

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Engineering	9,568	4,936	4,029	243	6	575	167	2,799	103	41	95	
Aerospace, aeronautical, and astronautical engineering	387	124	246	25	0	21	3	183	6	4	4	
Chemical engineering	975	483	447	25	0	61	15	320	11	7	8	
Civil engineering	622	340	229	12	0	17	12	171	3	2	12	
Electrical, electronics, and communications engineering	1,957	1,218	577	27	1	125	32	370	10	3	9	
Industrial and manufacturing engineering	298	185	91	7	0	11	6	60	2	1	4	
Materials science engineering	836	421	364	27	1	50	9	257	12	4	4	
Mechanical engineering	1,332	688	558	28	0	62	15	423	18	4	8	
Other engineering	3,161	1,477	1,517	92	4	228	75	1,015	41	16	46	
Bioengineering and biomedical engineering	1,049	317	677	32	2	126	29	447	21	6	14	
Computer engineering	467	304	134	6	0	27	12	68	2	1	18	
Environmental health engineering	270	137	128	11	1	13	6	91	3	3	0	
Nuclear engineering	156	42	110	4	1	5	1	86	8	1	4	
Structural engineering	101	50	50	2	0	1	0	44	1	2	0	
Systems engineering	95	30	62	3	0	12	4	40	0	1	2	
Other engineering, aggregated	1,023	597	356	34	0	44	23	239	6	2	8	
Education	4,793	478	3,931	256	19	197	523	2,712	90	23	111	
Education administration	895	39	762	52	4	26	174	459	13	5	29	
Education and human resource studies/development	62	8	42	4	0	4	8	25	0	1	0	
Educational administration and supervision	172	7	154	16	1	4	28	87	6	0	12	
Educational leadership	605	24	510	21	3	17	117	331	6	4	11	
Urban education and leadership	56	0	56	11	0	1	21	16	1	0	6	
Education research	2,558	265	2,101	134	14	110	271	1,471	52	11	38	
Counseling education/counseling and guidance	229	16	193	11	3	6	42	124	0	1	6	
Curriculum and instruction	549	57	438	34	3	23	48	308	10	4	8	
Educational assessment/testing/measurement	54	12	42	2	1	2	8	28	1	0	0	
Educational policy analysis	155	12	136	9	1	12	29	79	3	1	2	
Educational psychology (education)	259	26	205	10	1	13	14	154	6	1	6	
Educational statistics/research methods	75	15	55	3	0	2	4	43	1	0	2	
Educational/instructional technology, media design	207	45	143	8	1	9	13	108	0	0	4	
Higher education/evaluation and research	447	31	399	29	3	14	69	260	15	2	7	
International education	70	10	40	3	0	6	4	26	1	0	0	
School psychology (education)	145	3	141	6	0	13	11	106	4	1	0	
Social/philosophical foundations of education	92	10	73	3	1	2	14	49	3	1	0	
Special education	276	28	236	16	0	8	15	186	8	0	3	
Teacher education	153	14	133	5	0	5	12	101	5	0	5	
Teaching fields	919	134	733	45	0	46	52	543	15	6	26	
English as a second or foreign language	58	26	30	4	0	8	0	17	0	0	1	

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Health education	43	3	38	1	0	2	6	27	0	1	1	
Literacy and reading education	128	8	112	7	0	4	8	87	2	0	4	
Mathematics education	143	22	120	6	0	9	13	87	3	0	2	
Music education	104	5	94	5	0	5	3	74	1	1	5	
Physical education and coaching	36	8	26	1	0	1	1	17	2	1	3	
Science education	112	18	84	6	0	6	8	62	1	0	1	
Teaching fields, aggregated	295	44	229	15	0	11	13	172	6	3	9	
Other education	268	26	202	20	1	10	14	138	5	1	13	
Education, general	135	13	94	12	0	7	5	57	4	0	9	
Other education, aggregated	133	13	108	8	1	3	9	81	1	1	4	
Humanities	5,486	705	4,360	315	16	189	166	3,447	117	39	71	
Foreign languages and literature	676	142	470	89	2	24	8	334	8	1	4	
French, Italian	179	29	132	7	1	3	5	109	4	0	3	
German	84	19	60	2	1	4	0	52	1	0	0	
Latin American	83	18	55	28	0	1	0	26	0	0	0	
Spanish	182	33	129	46	0	2	2	75	3	0	1	
Other aggregated languages	148	43	94	6	0	14	1	72	0	1	0	
History	1,182	146	965	73	1	46	48	748	22	15	12	
American history (U.S. and Canada)	431	15	412	20	0	8	25	341	10	4	4	
Asian history	78	31	41	3	0	16	0	20	0	2	0	
European history	229	31	192	8	0	4	2	170	5	2	1	
History, science and technology and society	78	18	60	2	0	6	3	45	3	0	1	
Latin American history	73	10	62	27	0	0	3	32	0	0	0	
Middle/Near East studies	68	12	50	2	0	2	2	40	1	2	1	
History, general	121	10	64	7	0	7	3	40	1	1	5	
History, aggregated	104	19	84	4	1	3	10	60	2	4	0	
Letters	1,553	140	1,303	68	5	44	37	1,084	38	10	17	
American literature (U.S. and Canada)	350	17	326	21	2	6	15	267	12	0	3	
Classics	91	13	76	6	0	2	1	65	1	0	1	
Comparative literature	196	39	141	9	0	14	2	104	9	2	1	
English language	149	17	68	4	0	1	4	49	2	2	6	
English literature (British and Commonwealth)	393	39	347	13	2	14	4	305	6	2	1	
Rhetoric and composition	210	8	194	6	1	5	9	161	6	4	2	
Speech and rhetorical studies	29	0	26	1	0	0	0	24	0	0	1	
Letters, aggregated	135	7	125	8	0	2	2	109	2	0	2	
Other humanities	2,075	277	1,622	85	8	75	73	1,281	49	13	38	
American/U.S. studies	121	4	104	9	4	9	15	59	6	0	2	
Archaeology	105	13	89	5	1	3	0	76	3	1	0	

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Art history/criticism/conservation	262	37	208	13	1	13	3	166	7	0	5	
Drama/theater arts	104	9	85	2	1	2	4	68	2	1	5	
Film/cinema/video studies	72	9	58	3	0	5	4	43	3	0	0	
Music	65	8	37	1	0	1	3	26	0	1	5	
Musicology/ethnomusicology	140	23	113	8	0	4	2	92	5	1	1	
Music performance	77	17	59	5	0	4	1	45	1	0	3	
Music theory and composition	104	17	82	6	0	0	2	69	3	0	2	
Philosophy, ethics	479	67	370	16	0	11	15	310	10	3	5	
Religion/religious studies, Jewish/Judaic studies	319	37	257	11	1	17	14	197	7	5	5	
Other humanities, aggregated	227	36	160	6	0	6	10	130	2	1	5	
Other <sup>b</sup>	3,203	930	1,918	119	2	158	214	1,319	38	18	50	
Business management and administration	1,583	587	847	45	1	105	95	553	19	11	18	
Accounting	198	57	135	3	0	18	13	92	3	3	3	
Business administration and management	242	67	125	6	1	14	15	82	0	3	4	
Finance	264	154	97	6	0	19	7	59	1	1	4	
Human resources development	65	7	56	4	0	1	10	39	1	1	0	
Management information systems/business statistics	101	46	51	0	0	6	9	33	2	0	1	
Marketing management and research	152	58	84	8	0	15	5	49	6	0	1	
Organizational behavior	212	38	154	10	0	9	23	105	4	1	2	
Other aggregated business fields	349	160	145	8	0	23	13	94	2	2	3	
Communication	664	137	474	34	1	20	39	356	8	5	11	
Communication research	150	36	113	10	0	4	9	87	3	0	0	
Mass communication/media studies	250	61	163	6	0	12	17	118	1	2	7	
Communication, general	123	19	84	5	0	2	3	65	3	2	4	
Communication, aggregated	141	21	114	13	1	2	10	86	1	1	0	
Non-S&E fields not elsewhere classified	956	206	597	40	0	33	80	410	11	2	21	
Architecture/environmental design	118	55	53	5	0	7	1	37	0	0	3	
Family/consumer science/human science	50	10	38	0	0	3	4	31	0	0	0	
Parks/sports/recreation/leisure/fitness	68	15	43	3	0	0	5	33	1	0	1	
Public administration	121	24	92	3	0	2	22	52	3	1	9	
Social work	326	37	227	19	0	11	41	149	4	0	3	
Theology/religious education	157	28	95	7	0	5	4	73	2	0	4	
Fields not elsewhere classified, aggregated	116	37	49	3	0	5	3	35	1	1	1	

S&amp;E = science and engineering.

<sup>a</sup> Includes 4,213 respondents who did not report citizenship.<sup>b</sup> Non-science and engineering fields.

NOTE: See table A-5 in the technical notes for a listing of aggregated fields and their constituent fine fields.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.