

Table 6-5. Male research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2024

(Number)

Field of doctorate	Male doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other ^b		
Male doctorate recipients reporting postgraduation commitments	29,885	19,096	17,276	6,766	3,514	5,224	1,772	1,804	16
Science and engineering	25,241	16,231	14,720	6,411	2,096	4,988	1,225	1,496	15
Agricultural sciences and natural resources	601	393	353	168	75	70	40	39	1
Agricultural, animal, plant, and veterinary sciences	394	257	230	109	53	58	10	27	0
Natural resources and conservation	207	136	123	59	22	12	30	12	1
Biological and biomedical sciences	4,308	2,600	2,466	1,651	243	456	116	134	0
Biochemistry, biophysics, and molecular biology	765	441	D	D	D	101	10	D	0
Bioinformatics, biostatistics, and computational biology	397	251	238	100	38	84	16	13	0
Biological and biomedical sciences, general	391	187	D	D	16	25	7	D	0
Cell/ cellular biology and anatomy	342	178	162	110	12	37	3	16	0
Ecology, evolutionary biology, and epidemiology	409	284	258	185	29	16	28	26	0
Genetics and genomics	213	123	112	75	13	20	4	11	0
Microbiology and immunology	436	260	244	182	17	32	13	16	0
Neurobiology and neurosciences	543	353	342	248	29	56	9	11	0
Pharmacology and toxicology	138	79	79	D	D	22	4	0	0
Physiology, oncology, and cancer biology	377	253	241	161	35	36	9	12	0
Biological and biomedical sciences, other	297	191	181	121	20	27	13	10	0
Computer and information sciences	1,922	1,292	1,191	288	224	623	56	98	3
Computer science	1,350	911	840	221	141	440	38	69	2
Computer and information sciences, other	572	381	351	67	83	183	18	29	1
Engineering	7,610	4,815	4,455	1,564	352	2,188	351	355	5
Aerospace, aeronautical, astronautical, and space engineering	493	318	D	88	49	114	D	D	1
Biological, biomedical, and biosystems engineering	721	375	D	198	26	120	D	D	0
Chemical and petroleum engineering	849	506	466	181	14	254	17	40	0
Civil, environmental, and transportation engineering	832	569	508	184	42	215	67	61	0
Electrical and computer engineering	1,641	1,105	1,029	261	81	624	63	74	2
Engineering technologies	314	220	203	57	15	119	12	17	0
Industrial engineering and operations research	415	275	244	68	38	116	22	30	1
Materials and mining engineering	593	379	360	139	13	176	32	19	0
Mechanical engineering	1,228	745	691	262	52	330	47	53	1
Engineering, other	524	323	295	126	22	120	27	28	0
Geosciences, atmospheric, and ocean sciences	605	433	390	247	37	59	47	42	1
Geological and earth sciences	354	251	220	127	19	40	34	30	1
Ocean, marine, and atmospheric sciences	251	182	170	120	18	19	13	12	0
Health sciences	860	550	507	189	127	129	62	43	0
Nursing and nursing science	67	45	39	D	D	5	9	6	0

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Pharmacy and pharmaceutical sciences	223	142	130	D	D	60	6	12	0
Public health	244	162	152	67	28	26	31	10	0
Health sciences, other	326	201	186	57	75	38	16	15	0
Mathematics and statistics	1,384	902	756	333	152	223	48	144	2
Applied mathematics	284	205	178	79	24	67	8	26	1
Mathematics	672	394	308	169	79	44	16	85	1
Statistics	428	303	270	85	49	112	24	33	0
Multidisciplinary/ interdisciplinary sciences	993	686	627	173	109	296	49	59	0
Interdisciplinary computer sciences	407	297	270	57	45	152	16	27	0
Multidisciplinary/ interdisciplinary sciences, other	586	389	357	116	64	144	33	32	0
Physical sciences	3,543	2,224	2,002	1,112	154	647	89	219	3
Astronomy and astrophysics	225	160	135	101	16	10	8	25	0
Chemistry	1,569	934	869	438	69	328	34	64	1
Materials sciences	227	153	141	66	6	66	3	12	0
Physics	1,522	977	857	507	63	243	44	118	2
Psychology	969	648	623	310	111	99	103	25	0
Clinical psychology	227	176	D	D	9	11	16	D	0
Counseling and applied psychology	359	261	253	88	47	60	58	8	0
Research and experimental psychology	247	148	137	63	37	19	18	11	0
Psychology, other	136	63	D	D	18	9	11	D	0
Social sciences	2,446	1,688	1,350	376	512	198	264	338	0
Anthropology	130	76	65	D	22	D	12	11	0
Area, ethnic, cultural, gender, and group studies	178	110	95	D	52	D	11	15	0
Economics	888	678	495	118	174	115	88	183	0
Political science and government	392	259	218	63	95	24	36	41	0
Public policy analysis	174	118	106	21	27	13	45	12	0
Sociology, demography, and population studies	216	156	140	56	54	10	20	16	0
Social sciences, other	468	291	231	62	88	29	52	60	0
Non-science and engineering	4,644	2,865	2,556	355	1,418	236	547	308	1
Business	723	501	429	26	304	66	33	72	0
Business administration and management	231	142	123	8	65	32	18	19	0
Business, other	492	359	306	18	239	34	15	53	0
Education	1,073	716	666	46	354	49	217	50	0
Education leadership and administration	368	274	264	D	143	D	103	10	0
Education research	309	198	185	15	100	24	46	13	0
Teacher education and teaching fields	264	166	145	D	81	D	43	21	0

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Education, other	132	78	72	10	30	7	25	6	0
Humanities	1,635	931	838	184	418	50	186	92	1
English language and literature, letters	365	201	190	D	119	D	22	11	0
Foreign languages, literatures, and linguistics	234	125	112	D	70	D	20	13	0
History	386	227	200	54	92	10	44	27	0
Philosophy and religious studies	403	237	211	62	97	12	40	26	0
Humanities, other	247	141	125	12	40	13	60	15	1
Visual and performing arts	374	190	171	24	94	20	33	19	0
Performing arts	281	131	121	D	64	D	29	10	0
Visual arts, media studies, and design	93	59	50	D	30	D	4	9	0
Other non-science and engineering	839	527	452	75	248	51	78	75	0
Communication and journalism	218	144	135	21	99	9	6	9	0
Multidisciplinary/ interdisciplinary studies	166	90	77	12	32	12	21	13	0
Public administration and social services	167	117	105	18	49	12	26	12	0
Non-science and engineering, other	288	176	135	24	68	18	25	41	0

D = suppressed to avoid disclosure of confidential information.

^a Industry employment includes doctorate recipients reporting self-employment.^b Other includes doctorate recipients reporting government, nonprofit, elementary or secondary school, or other employment and those with unknown employment.**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and new broad, major, and detailed fields are used in tables reporting data from 2021 to the present; see the field list in table A-4. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information about the 2021 taxonomy change, see the "Technical Notes."

Source(s):

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