

TABLE 6-5

**Male research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023**

(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 <sup>a</sup>	Other <sup>b</sup>		
Male doctorate recipients reporting postgraduation commitments	30,356	20,270	18,335	6,564	3,238	6,659	1,874	1,922	13
Science and engineering	25,480	17,190	15,608	6,143	1,822	6,377	1,266	1,573	9
Agricultural sciences and natural resources	572	382	353	168	60	81	44	29	0
Agricultural, animal, plant, and veterinary sciences	371	248	224	111	36	60	17	24	0
Natural resources and conservation	201	134	129	57	24	21	27	5	0
Biological and biomedical sciences	4,433	2,780	2,649	1,571	216	718	144	131	0
Biochemistry, biophysics, and molecular biology	780	497	481	276	27	165	13	16	0
Bioinformatics, biostatistics, and computational biology	413	279	271	95	25	132	19	8	0
Biological and biomedical sciences, general	370	202	191	123	19	37	12	11	0
Cell/ cellular biology and anatomy	313	165	157	102	18	34	3	8	0
Ecology, evolutionary biology, and epidemiology	447	314	287	173	31	42	41	27	0
Genetics and genomics	225	127	D	76	D	32	8	D	0
Microbiology and immunology	495	313	304	207	16	73	8	9	0
Neurobiology and neurosciences	524	321	308	207	12	76	13	13	0
Pharmacology and toxicology	180	115	D	56	D	42	8	D	0
Physiology, oncology, and cancer biology	413	262	251	149	36	58	8	11	0
Biological and biomedical sciences, other	273	185	167	107	22	27	11	18	0
Computer and information sciences	1,710	1,214	1,109	204	170	666	69	102	3
Computer science	1,234	885	809	145	114	508	42	75	1
Computer and information sciences, other	476	329	300	59	56	158	27	27	2
Engineering	7,873	5,264	4,850	1,411	297	2,768	374	413	1
Aerospace, aeronautical, astronautical, and space engineering	489	346	328	80	34	149	65	18	0
Biological, biomedical, and biosystems engineering	743	437	420	187	27	189	17	17	0

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Chemical and petroleum engineering	889	597	543	165	9	355	14	54	0
Civil, environmental, and transportation engineering	863	579	516	185	40	242	49	63	0
Electrical and computer engineering	1,719	1,219	1,110	195	58	776	81	109	0
Engineering technologies	317	212	189	53	9	121	6	23	0
Industrial engineering and operations research	436	299	272	56	35	151	30	27	0
Materials and mining engineering	649	436	402	144	10	227	21	34	0
Mechanical engineering	1,277	824	770	248	54	413	55	54	0
Engineering, other	491	315	300	98	21	145	36	14	1
Geosciences, atmospheric, and ocean sciences	668	491	445	281	39	79	46	45	1
Geological and earth sciences	384	281	252	139	26	56	31	28	1
Ocean, marine, and atmospheric sciences	284	210	193	142	13	23	15	17	0
Health sciences	789	529	476	188	100	126	62	53	0
Nursing and nursing science	69	47	39	5	D	D	10	8	0
Pharmacy and pharmaceutical sciences	211	145	129	56	D	D	4	16	0
Public health	218	154	139	67	25	20	27	15	0
Health sciences, other	291	183	169	60	51	37	21	14	0
Mathematics and statistics	1,480	1,030	890	377	142	318	53	139	1
Applied mathematics	342	249	227	102	18	92	15	22	0
Mathematics	703	446	357	199	79	63	16	89	0
Statistics	435	335	306	76	45	163	22	28	1
Multidisciplinary/interdisciplinary sciences	1,044	762	701	193	106	352	50	60	1
Interdisciplinary computer sciences	409	307	289	64	42	162	21	17	1
Multidisciplinary/interdisciplinary sciences, other	635	455	412	129	64	190	29	43	0
Physical sciences	3,594	2,410	2,179	1,052	117	918	92	231	0
Astronomy and astrophysics	219	170	143	D	D	22	8	27	0
Chemistry	1,550	1,031	964	415	56	458	35	67	0
Materials sciences	248	164	157	D	D	82	8	7	0
Physics	1,577	1,045	915	473	45	356	41	130	0
Psychology	885	581	557	291	103	87	76	24	0
Clinical psychology	242	183	D	144	14	D	16	D	0

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Counseling and applied psychology	288	194	184	65	37	39	43	10	0
Research and experimental psychology	245	158	D	63	40	D	13	D	0
Psychology, other	110	46	D	19	12	D	4	D	0
Social sciences	2,432	1,747	1,399	407	472	264	256	346	2
Anthropology	134	82	64	27	24	10	3	18	0
Area, ethnic, cultural, gender, and group studies	155	96	85	38	37	0	10	11	0
Economics	907	712	520	110	145	162	103	191	1
Political science and government	384	272	236	85	92	24	35	36	0
Public policy analysis	161	109	97	18	21	18	40	11	1
Sociology, demography, and population studies	240	180	154	59	66	10	19	26	0
Social sciences, other	451	296	243	70	87	40	46	53	0
Non-science and engineering	4,876	3,080	2,727	421	1,416	282	608	349	4
Business	822	608	507	45	337	82	43	99	2
Business administration and management	265	166	137	14	76	31	16	28	1
Business, other	557	442	370	31	261	51	27	71	1
Education	1,089	735	694	61	324	53	256	41	0
Education leadership and administration	396	296	280	16	122	14	128	16	0
Education research	317	200	190	17	83	31	59	10	0
Teacher education and teaching fields	273	179	D	19	90	D	52	D	0
Education, other	103	60	D	9	29	D	17	D	0
Humanities	1,731	1,008	885	218	416	56	195	122	1
English language and literature, letters	420	245	225	37	134	21	33	19	1
Foreign languages, literatures, and linguistics	233	125	D	25	66	D	17	D	0
History	404	236	211	69	83	5	54	25	0
Philosophy and religious studies	397	250	208	77	82	15	34	42	0
Humanities, other	277	152	D	10	51	D	57	D	0
Visual and performing arts	356	181	160	20	95	25	20	21	0
Performing arts	257	120	109	7	67	20	15	11	0
Visual arts, media studies, and design	99	61	51	13	28	5	5	10	0
Other non-science and engineering	878	548	481	77	244	66	94	66	1
Communications and journalism	247	161	144	23	96	14	11	17	0

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Multidisciplinary/interdisciplinary studies	160	94	84	11	43	8	22	10	0
Public administration and social services	143	96	85	14	27	15	29	11	0
Non-science and engineering, other	328	197	168	29	78	29	32	28	1

D = suppressed to avoid disclosure of confidential information.

<sup>a</sup> Industry employment includes doctorate recipients reporting self-employment.<sup>b</sup> 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.