

Table 6-5

Male research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2022

(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	30,522	20,437	18,343	6,948	3,001	6,551	1,843	2,066	28
Science and engineering	25,680	17,453	15,731	6,567	1,653	6,275	1,236	1,698	24
Agricultural sciences and natural resources	626	425	376	204	46	97	29	48	1
Agricultural, animal, plant, and veterinary sciences	408	283	245	127	27	81	10	37	1
Natural resources and conservation	218	142	131	77	19	16	19	11	0
Biological and biomedical sciences	4,372	2,891	2,721	1,664	199	704	154	166	4
Biochemistry, biophysics, and molecular biology	801	532	490	323	24	126	17	39	3
Bioinformatics, biostatistics, and computational biology	400	285	274	94	27	135	18	10	1
Cell/ cellular biology and anatomy	312	191	D	111	D	58	6	D	0
Ecology, evolutionary biology, and epidemiology	431	302	278	180	32	19	47	24	0
Genetics and genomics	197	132	D	73	D	33	9	D	0
Microbiology and immunology	475	310	296	196	13	78	9	14	0
Neurobiology and neurosciences	561	380	361	262	19	71	9	19	0
Pharmacology and toxicology	159	101	93	54	0	36	3	8	0
Physiology, oncology, and cancer biology	368	251	240	143	36	54	7	11	0
Biological and biomedical sciences, other	668	407	383	228	32	94	29	24	0
Computer and information sciences	1,654	1,199	1,096	211	138	689	58	101	2
Computer science	1,147	842	777	151	92	501	33	65	0
Computer and information sciences, other	507	357	319	60	46	188	25	36	2
Engineering	7,832	5,205	4,740	1,542	308	2,545	345	457	8
Biological, biomedical, and biosystems engineering	676	427	403	185	24	185	9	24	0
Chemical and petroleum engineering	840	561	510	191	10	288	21	50	1
Civil, environmental, and transportation engineering	897	593	515	202	36	221	56	77	1
Electrical and computer engineering	1,735	1,209	1,102	227	69	750	56	105	2

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Engineering technologies	286	220	194	52	D	118	D	25	1
Industrial engineering and operations research	469	323	283	54	38	154	37	39	1
Materials and mining engineering	637	387	356	142	D	189	D	31	0
Mechanical engineering	1,248	806	754	272	50	375	57	51	1
Engineering, other	1,044	679	623	217	57	265	84	55	1
Geosciences, atmospheric, and ocean sciences	627	455	410	275	27	67	41	45	0
Geological and earth sciences	381	263	229	136	15	50	28	34	0
Ocean, marine, and atmospheric sciences	246	192	181	139	12	17	13	11	0
Health sciences	874	576	524	196	112	142	74	51	1
Nursing and nursing science	73	47	40	D	D	6	11	7	0
Pharmacy and pharmaceutical sciences	224	144	130	D	D	64	8	13	1
Public health	252	172	161	73	29	31	28	11	0
Health sciences, other	325	213	193	65	60	41	27	20	0
Mathematics and statistics	1,523	1,051	881	396	136	300	49	168	2
Applied mathematics	336	239	217	98	25	75	19	22	0
Mathematics	753	491	371	209	75	67	20	118	2
Statistics	434	321	293	89	36	158	10	28	0
Multidisciplinary/interdisciplinary sciences	1,132	784	710	196	87	369	58	72	2
Interdisciplinary computer sciences	471	327	294	63	29	181	21	31	2
Multidisciplinary/interdisciplinary sciences, other	661	457	416	133	58	188	37	41	0
Physical sciences	3,651	2,524	2,282	1,146	102	936	98	239	3
Astronomy and astrophysics	183	135	116	87	5	20	4	19	0
Chemistry	1,645	1,152	1,080	504	D	492	D	71	1
Materials sciences	255	178	165	64	D	92	D	13	0
Physics	1,568	1,059	921	491	46	332	52	136	2
Psychology	982	670	645	360	92	115	78	25	0
Clinical psychology	234	184	D	154	D	D	14	D	0
Counseling and applied psychology	348	247	236	97	41	54	44	11	0
Research and experimental psychology	282	183	D	82	D	39	14	D	0
Psychology, other	118	56	D	27	11	D	6	D	0
Social sciences	2,407	1,673	1,346	377	406	311	252	326	1

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Anthropology	128	79	64	29	15	7	13	15	0
Area, ethnic, cultural, gender, and group studies	158	100	80	26	43	6	5	20	0
Economics	894	693	520	104	119	197	100	172	1
Political science and government	399	269	228	76	75	37	40	41	0
Public policy analysis	157	91	77	19	19	16	23	14	0
Sociology, demography, and population studies	238	167	149	49	61	16	23	18	0
Social sciences, other	433	274	228	74	74	32	48	46	0
Non-science and engineering	4,842	2,984	2,612	381	1,348	276	607	368	4
Business	781	564	454	41	292	84	37	109	1
Business administration and management	239	154	120	11	66	28	15	33	1
Business, other	542	410	334	30	226	56	22	76	0
Education	1,154	789	734	58	370	56	250	55	0
Education leadership and administration	378	279	270	8	136	14	112	9	0
Education research	348	223	206	20	102	29	55	17	0
Teacher education	296	208	185	22	99	8	56	23	0
Education, other	132	79	73	8	33	5	27	6	0
Humanities	1,709	941	821	179	380	56	206	119	1
English language and literature, letters	393	215	199	40	115	12	32	16	0
Foreign languages, literatures, and linguistics	223	109	96	21	53	8	14	13	0
History	382	213	182	51	72	13	46	31	0
Philosophy and religious studies	415	238	202	54	96	14	38	35	1
Humanities, other	296	166	142	13	44	9	76	24	0
Visual and performing arts	363	174	155	21	85	24	25	19	0
Performing arts	267	123	109	7	65	17	20	14	0
Visual arts, media studies, and design	96	51	46	14	20	7	5	5	0
Other non-science and engineering	835	516	448	82	221	56	89	66	2
Communications and journalism	199	124	108	21	71	8	8	16	0
Multidisciplinary/interdisciplinary studies	171	97	88	16	30	17	25	8	1
Public administration and social services	150	94	80	17	33	5	25	13	1
Non-science and engineering, other	315	201	172	28	87	26	31	29	0

D = suppressed to avoid disclosure of confidential information.

^a Includes doctorate recipients reporting self-employment.

^b 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, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).

Source(s):

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