

Table 6-4

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

(Number)

Field of doctorate	Female 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		
Female doctorate recipients reporting postgraduation commitments	27,069	17,707	16,392	6,339	3,964	3,765	2,324	1,301	14
Science and engineering	20,243	13,476	12,535	5,761	1,997	3,402	1,375	928	13
Agricultural sciences and natural resources	679	424	376	162	63	92	59	48	0
Agricultural, animal, plant, and veterinary sciences	449	279	245	96	45	79	25	34	0
Natural resources and conservation	230	145	131	66	18	13	34	14	0
Biological and biomedical sciences	5,014	3,339	3,159	1,860	250	857	192	177	3
Biochemistry, biophysics, and molecular biology	754	506	475	266	D	166	D	31	0
Bioinformatics, biostatistics, and computational biology	288	203	194	57	19	104	14	7	2
Cell/ cellular biology and anatomy	377	242	D	141	D	72	6	D	0
Ecology, evolutionary biology, and epidemiology	689	483	447	282	45	51	69	35	1
Genetics and genomics	239	156	D	101	D	35	7	D	0
Microbiology and immunology	614	413	395	251	32	99	13	18	0
Neurobiology and neurosciences	616	404	393	271	24	86	12	11	0
Pharmacology and toxicology	227	169	161	76	D	72	D	8	0
Physiology, oncology, and cancer biology	400	279	261	160	27	59	15	18	0
Biological and biomedical sciences, other	810	484	449	255	48	113	33	35	0
Computer and information sciences	534	365	330	76	69	155	30	35	0
Computer science	337	239	214	46	43	108	17	25	0
Computer and information sciences, other	197	126	116	30	26	47	13	10	0
Engineering	2,931	1,872	1,760	603	158	852	147	111	1
Biological, biomedical, and biosystems engineering	560	333	322	142	21	142	17	11	0
Chemical and petroleum engineering	415	262	248	71	13	155	9	14	0
Civil, environmental, and transportation engineering	418	271	255	106	34	85	30	16	0
Electrical and computer engineering	397	260	243	49	21	155	18	17	0

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Engineering technologies	75	58	52	14	D	31	D	6	0
Industrial engineering and operations research	186	118	103	25	19	48	11	14	1
Materials and mining engineering	288	191	180	62	D	95	D	11	0
Mechanical engineering	297	191	181	77	16	71	17	10	0
Engineering, other	295	188	176	57	22	70	27	12	0
Geosciences, atmospheric, and ocean sciences	538	360	332	209	27	46	50	28	0
Geological and earth sciences	277	177	159	91	15	24	29	18	0
Ocean, marine, and atmospheric sciences	261	183	173	118	12	22	21	10	0
Health sciences	1,934	1,270	1,193	338	411	212	232	76	1
Nursing and nursing science	550	376	359	D	D	28	86	17	0
Pharmacy and pharmaceutical sciences	236	146	134	D	D	79	7	12	0
Public health	543	375	350	140	84	40	86	25	0
Health sciences, other	605	373	350	91	141	65	53	22	1
Mathematics and statistics	621	435	383	151	63	144	25	51	1
Applied mathematics	141	99	90	37	10	35	8	9	0
Mathematics	227	160	133	73	34	19	7	26	1
Statistics	253	176	160	41	19	90	10	16	0
Multidisciplinary/interdisciplinary sciences	656	427	384	144	73	126	41	41	2
Interdisciplinary computer sciences	154	105	92	18	16	49	9	12	1
Multidisciplinary/interdisciplinary sciences, other	502	322	292	126	57	77	32	29	1
Physical sciences	1,777	1,173	1,092	510	76	451	55	80	1
Astronomy and astrophysics	106	80	74	56	7	8	3	6	0
Chemistry	1,137	739	709	291	D	336	D	29	1
Materials sciences	130	91	84	38	D	38	D	7	0
Physics	404	263	225	125	14	69	17	38	0
Psychology	2,918	2,017	1,958	1,210	278	230	240	57	2
Clinical psychology	910	693	D	599	D	26	43	D	2
Counseling and applied psychology	1,090	765	744	356	135	119	134	21	0
Research and experimental psychology	572	387	D	183	D	64	36	D	0
Psychology, other	346	172	164	72	44	21	27	8	0
Social sciences	2,641	1,794	1,568	498	529	237	304	224	2
Anthropology	281	169	148	76	37	17	18	21	0

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Area, ethnic, cultural, gender, and group studies	283	186	175	57	78	12	28	11	0
Economics	497	383	310	71	90	88	61	72	1
Political science and government	279	198	171	58	66	21	26	27	0
Public policy analysis	276	183	175	41	45	23	66	8	0
Sociology, demography, and population studies	388	275	251	95	86	28	42	23	1
Social sciences, other	637	400	338	100	127	48	63	62	0
Non-science and engineering	6,826	4,231	3,857	578	1,967	363	949	373	1
Business	620	440	372	28	262	54	28	68	0
Business administration and management	206	124	113	8	69	20	16	11	0
Business, other	414	316	259	20	193	34	12	57	0
Education	2,765	1,772	1,678	151	802	126	599	94	0
Education leadership and administration	789	552	534	29	259	30	216	18	0
Education research	841	524	492	49	224	59	160	32	0
Teacher education	803	508	475	42	244	26	163	33	0
Education, other	332	188	177	31	75	11	60	11	0
Humanities	1,658	972	859	211	433	68	147	112	1
English language and literature, letters	668	385	356	68	204	29	55	28	1
Foreign languages, literatures, and linguistics	315	168	142	29	77	13	23	26	0
History	350	231	202	69	79	11	43	29	0
Philosophy and religious studies	226	140	119	36	62	7	14	21	0
Humanities, other	99	48	40	9	11	8	12	8	0
Visual and performing arts	479	246	214	50	101	26	37	32	0
Performing arts	228	110	94	17	48	13	16	16	0
Visual arts, media studies, and design	251	136	120	33	53	13	21	16	0
Other non-science and engineering	1,304	801	734	138	369	89	138	67	0
Communications and journalism	387	253	237	44	147	25	21	16	0
Multidisciplinary/interdisciplinary studies	220	122	103	12	51	14	26	19	0
Public administration and social services	316	196	189	28	73	25	63	7	0
Non-science and engineering, other	381	230	205	54	98	25	28	25	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.