

Table 6-4

## Female research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2021

(Number)

Field of doctorate	All 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>		
Female doctorate recipients reporting postgraduation commitments	24,156	15,140	13,894	5,706	3,526	2,719	1,943	1,238	8
Science and engineering	17,939	11,518	10,586	5,226	1,781	2,450	1,129	928	4
Agricultural sciences and natural resources	621	363	333	166	53	73	41	30	0
Agricultural, animal, plant, and veterinary sciences	403	243	223	109	36	62	16	20	0
Natural resources and conservation	218	120	110	57	17	11	25	10	0
Biological and biomedical sciences	4,312	2,776	2,614	1,709	199	542	164	161	1
Biochemistry, biophysics, and molecular biology	630	395	371	255	20	87	9	24	0
Bioinformatics, biostatistics, and computational biology	234	172	160	57	12	77	14	11	1
Cell/ cellular biology and anatomy	346	224	211	141	20	42	8	13	0
Ecology, evolutionary biology, and epidemiology	589	414	383	236	D	D	54	31	0
Genetics and genomics	209	127	121	84	6	29	2	6	0
Microbiology and immunology	549	377	365	251	24	69	21	12	0
Neurobiology and neurosciences	556	335	321	238	13	59	11	14	0
Pharmacology and toxicology	164	104	99	69	D	D	5	5	0
Physiology, oncology and cancer biology	341	204	192	126	15	41	10	12	0
Biological and biomedical sciences, other	694	424	391	252	40	69	30	33	0
Computer and information sciences	526	357	318	78	73	154	13	38	1
Computer science	336	229	205	50	44	104	7	24	0
Computer and information sciences, other	190	128	113	28	29	50	6	14	1
Engineering	2,511	1,481	1,357	548	116	587	106	123	1
Biological, biomedical, and biosystems engineering	434	260	246	135	12	90	9	14	0
Chemical and petroleum engineering	380	231	213	74	D	128	D	18	0
Civil, environmental, and transportation engineering	317	170	146	60	20	45	21	24	0

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Electrical and computer engineering	366	222	206	59	18	120	9	16	0
Engineering technologies	130	72	62	34	D	20	D	10	0
Industrial engineering and operations research	170	118	105	19	19	55	12	12	1
Materials and mining engineering	212	116	110	45	D	47	D	6	0
Mechanical engineering	259	153	138	63	17	46	12	15	0
Engineering, other	243	139	131	59	20	36	16	8	0
Geosciences, atmospheric, and ocean sciences	461	314	276	188	28	30	30	38	0
Geological and earth sciences	254	165	141	87	19	22	13	24	0
Ocean/ marine sciences and atmospheric science	207	149	135	101	9	8	17	14	0
Health sciences	1,776	1,164	1,087	343	369	165	210	76	1
Nursing and nursing science	537	380	356	71	180	D	D	24	0
Pharmacy and pharmaceutical sciences	214	129	119	50	5	54	10	10	0
Public health	474	316	296	125	77	31	63	19	1
Health sciences, other	551	339	316	97	107	D	D	23	0
Mathematics and statistics	534	371	320	107	76	121	16	51	0
Applied mathematics	143	91	81	37	12	28	4	10	0
Mathematics	186	126	101	43	33	20	5	25	0
Statistics	205	154	138	27	31	73	7	16	0
Multidisciplinary/ interdisciplinary sciences	536	350	319	134	67	84	34	31	0
Interdisciplinary computer sciences	99	76	69	17	14	35	3	7	0
Multidisciplinary/ interdisciplinary sciences, other	437	274	250	117	53	49	31	24	0
Physical sciences	1,563	1,027	919	497	65	318	39	108	0
Astronomy and astrophysics	101	78	62	D	D	7	5	16	0
Chemistry	1,000	636	589	299	48	220	22	47	0
Materials sciences	130	81	73	D	D	34	4	8	0
Physics	332	232	195	120	10	57	8	37	0
Psychology	2,711	1,804	1,753	1,088	257	195	213	51	0
Clinical psychology	939	686	676	575	23	34	44	10	0
Counseling and applied psychology	1,004	663	650	304	128	94	124	13	0

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Research and experimental psychology	422	294	D	140	65	44	D	D	0
Psychology, other	346	161	D	69	41	23	D	D	0
Social sciences	2,388	1,511	1,290	368	478	181	263	221	0
Anthropology	271	141	125	56	45	12	12	16	0
Area, ethnic, cultural, gender, and group studies	247	127	119	41	D	D	15	8	0
Economics	446	336	250	53	79	73	45	86	0
Political science and government	242	153	124	38	D	D	20	29	0
Public policy analysis	230	148	137	31	44	14	48	11	0
Sociology, demography, and population studies	359	244	226	69	86	21	50	18	0
Social sciences, other	593	362	309	80	118	38	73	53	0
Non-science and engineering	6,217	3,622	3,308	480	1,745	269	814	310	4
Business	584	393	311	27	212	44	28	81	1
Business administration and management	197	118	100	8	56	20	16	18	0
Business, other	387	275	211	19	156	24	12	63	1
Education	2,599	1,605	1,526	120	756	120	530	79	0
Education leadership and administration	705	482	464	15	246	20	183	18	0
Education research	834	506	489	44	248	59	138	17	0
Teacher education	757	452	D	39	205	D	140	D	0
Education, other	303	165	D	22	57	D	69	D	0
Humanities	1,455	791	709	175	392	38	104	81	1
English language and literature, letters	568	302	288	D	191	D	34	14	0
Foreign languages, literatures, and linguistics	288	147	117	24	68	6	19	29	1
History	291	161	144	50	63	6	25	17	0
Philosophy and religious studies	213	132	119	43	50	8	18	13	0
Humanities, other	95	49	41	D	20	D	8	8	0
Visual and performing arts	422	199	174	41	81	12	40	25	0
Performing arts	228	97	87	13	D	D	22	10	0
Visual arts, media studies/ design	194	102	87	28	D	D	18	15	0
Other non-science and engineering	1,157	634	588	117	304	55	112	44	2
Communications and journalism	299	171	157	34	98	13	12	12	2
Multidisciplinary/ interdisciplinary studies	180	86	D	18	41	7	D	D	0

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Public administration and social services	331	188	178	26	91	9	52	10	0
Non-science and engineering, other	347	189	D	39	74	26	D	D	0

D = suppressed to avoid disclosure of confidential information.

<sup>a</sup> Includes doctorate recipients who indicated self-employment.<sup>b</sup> Includes doctorate recipients who indicated government, nonprofit, elementary or secondary school, or other employment and those with unknown employment.**Note(s):**

Definite postgraduate commitment includes doctorate recipients reporting definite postgraduation commitments for employment or postdoctoral study. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and the new broad, major, and detailed fields were used in tables reporting only the most recent data year. Therefore, the field of doctorate data in 2021 may not be comparable to prior years; see the "Technical Notes" for more information, table A-4 for a summary of SED-CIP codes in the new SED field taxonomy, table A-5 for a full list of SED-CIP codes in the new field taxonomy, and table A-6 for the SED-CIP code crosswalk to the historical field taxonomy.

**Source(s):**

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