TABLE 6-4

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

(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	27,499	18,054	16,942	6,254	4,433	3,835	2,420	1,099	13
Science and engineering	20,486	13,573	12,780	5,668	2,251	3,460	1,401	786	7
Agricultural sciences and natural resources	706	446	418	173	75	106	64	28	0
Agricultural, animal, plant, and veterinary sciences	485	301	282	116	48	86	32	19	0
Natural resources and conservation	221	145	136	57	27	20	32	9	0
Biological and biomedical sciences	5,290	3,385	3,228	1,857	335	788	248	155	2
Biochemistry, biophysics, and molecular biology	728	434	416	230	38	128	20	17	1
Bioinformatics, biostatistics, and computational biology	322	219	205	60	26	92	27	14	0
Biological and biomedical sciences, general	537	296	283	167	24	71	21	13	0
Cell/ cellular biology and anatomy	448	275	266	159	28	73	6	9	0
Ecology, evolutionary biology, and epidemiology	697	504	471	269	68	48	86	33	0
Genetics and genomics	252	163	D	97	D	36	7	D	0
Microbiology and immunology	597	377	359	226	26	87	20	17	1
Neurobiology and neurosciences	676	450	434	287	41	88	18	16	0
Pharmacology and toxicology	229	143	D	72	D	58	6	D	0
Physiology, oncology, and cancer biology	408	267	259	145	32	69	13	8	0
Biological and biomedical sciences, other	396	257	243	145	36	38	24	14	0
Computer and information sciences	587	375	340	72	75	166	27	34	1
Computer science	371	242	219	49	42	116	12	23	0
Computer and information sciences, other	216	133	121	23	33	50	15	11	1
Engineering	2,851	1,813	1,719	560	162	866	131	92	2
Aerospace, aeronautical, astronautical, and space engineering	95	63	63	17	11	23	12	0	0
Biological, biomedical, and biosystems engineering	570	358	345	160	13	155	17	13	0

TABLE 6-4

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

(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]		
Chemical and petroleum engineering	356	232	221	63	10	140	8	11	0
Civil, environmental, and transportation engineering	416	244	231	95	24	86	26	13	0
Electrical and computer engineering	400	260	243	51	21	158	13	16	1
Engineering technologies	85	57	51	18	8	22	3	6	0
Industrial engineering and operations research	191	128	119	15	29	61	14	8	1
Materials and mining engineering	263	181	171	54	8	96	13	10	0
Mechanical engineering	275	178	169	46	21	88	14	9	0
Engineering, other	200	112	106	41	17	37	11	6	0
Geosciences, atmospheric, and ocean sciences	547	381	364	237	39	43	45	16	1
Geological and earth sciences	298	200	190	114	28	31	17	9	1
Ocean, marine, and atmospheric sciences	249	181	174	123	11	12	28	7	0
Health sciences	1,957	1,267	1,185	331	421	225	208	82	0
Nursing and nursing science	569	380	349	61	D	D	76	31	0
Pharmacy and pharmaceutical sciences	231	134	125	53	D	D	4	9	0
Public health	548	376	353	126	93	51	83	23	0
Health sciences, other	609	377	358	91	153	69	45	19	0
Mathematics and statistics	575	428	393	139	72	159	23	35	0
Applied mathematics	148	110	103	53	14	30	6	7	0
Mathematics	186	131	120	55	35	27	3	11	0
Statistics	241	187	170	31	23	102	14	17	0
Multidisciplinary/ interdisciplinary sciences	660	439	413	137	92	143	41	26	0
Interdisciplinary computer sciences	174	131	124	27	25	67	5	7	0
Multidisciplinary/ interdisciplinary sciences, other	486	308	289	110	67	76	36	19	0
Physical sciences	1,848	1,238	1,165	477	82	530	76	73	0
Astronomy and astrophysics	104	79	69	D	D	5	3	10	0
Chemistry	1,180	775	744	265	44	383	52	31	0
Materials sciences	141	97	90	D	D	56	8	7	0
Physics	423	287	262	138	25	86	13	25	0
Psychology	2,907	2,043	2,005	1,244	294	221	246	38	0
Clinical psychology	961	748	D	649	28	D	50	D	0

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

(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]		
Counseling and applied psychology	1,005	724	708	373	128	94	113	16	0
Research and experimental psychology	558	375	D	145	96	D	48	D	0
Psychology, other	383	196	191	77	42	37	35	5	0
Social sciences	2,558	1,758	1,550	441	604	213	292	207	1
Anthropology	245	146	126	58	43	7	18	20	0
Area, ethnic, cultural, gender, and group studies	296	179	161	50	84	7	20	18	0
Economics	485	374	301	54	96	79	72	72	1
Political science and government	281	195	172	63	65	25	19	23	0
Public policy analysis	246	176	168	38	53	15	62	8	0
Sociology, demography, and population studies	387	290	268	74	124	30	40	22	0
Social sciences, other	618	398	354	104	139	50	61	44	0
Non-science and engineering	7,013	4,481	4,162	586	2,182	375	1,019	313	6
Business	688	507	431	41	307	54	29	76	0
Business administration and management	228	132	116	9	77	16	14	16	0
Business, other	460	375	315	32	230	38	15	60	0
Education	2,899	1,928	1,853	155	867	159	672	73	2
Education leadership and administration	783	566	557	28	277	28	224	9	0
Education research	936	592	564	48	253	82	181	27	1
Teacher education and teaching fields	825	554	D	56	242	D	188	D	0
Education, other	355	216	D	23	95	D	79	D	1
Humanities	1,627	959	876	199	490	57	130	80	3
English language and literature, letters	619	359	341	64	210	29	38	18	0
Foreign languages, literatures, and linguistics	338	193	D	34	99	D	24	D	1
History	329	210	189	60	82	13	34	20	1
Philosophy and religious studies	222	132	116	32	64	0	20	15	1
Humanities, other	119	65	D	9	35	D	14	D	0
Visual and performing arts	468	253	228	42	134	14	38	25	0
Performing arts	230	129	119	12	80	8	19	10	0
Visual arts, media studies, and design	238	124	109	30	54	6	19	15	0
Other non-science and engineering	1,331	834	774	149	384	91	150	59	1
Communications and journalism	388	240	227	35	143	18	31	13	0

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(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]		
Multidisciplinary/ interdisciplinary studies	220	134	125	20	63	20	22	9	0
Public administration and social services	362	253	235	50	97	27	61	17	1
Non-science and engineering, other	361	207	187	44	81	26	36	20	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.