

TABLE 52. Definite postgraduation commitments of doctorate recipients, by sex and major field of study: 2013

Sex and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States				Abroad	Unknown	
			Total	Postdoctoral study	Academic employment	Industry employment ^a			Other ^b
All doctorate recipients ^c	52,760	27,666	24,643	9,635	7,540	4,513	2,955	2,989	34
Life sciences	12,305	6,219	5,661	3,674	912	577	498	550	8
Agricultural sciences and natural resources	1,329	688	579	288	112	99	80	109	0
Biological, biomedical sciences	8,471	4,218	3,869	3,001	342	342	184	344	5
Health sciences	2,505	1,313	1,213	385	458	136	234	97	3
Physical sciences	9,290	5,348	4,675	2,380	703	1,363	229	670	3
Chemistry	2,491	1,351	1,231	798	97	295	41	120	0
Computer and information sciences	1,897	1,124	1,034	235	186	548	65	88	2
Geosciences	880	526	457	294	63	63	37	69	0
Mathematics	1,817	1,085	902	372	276	211	43	182	1
Physics and astronomy	2,205	1,262	1,051	681	81	246	43	211	0
Social sciences	8,401	4,771	4,147	1,557	1,561	391	638	620	4
Anthropology	552	235	195	70	87	15	23	40	0
Economics	1,185	791	548	59	283	95	111	243	0
Political science	803	441	366	81	230	20	35	74	1
Psychology	3,600	2,088	1,981	1,114	392	190	285	104	3
Sociology	636	368	328	82	200	12	34	40	0
Other social sciences	1,625	848	729	151	369	59	150	119	0
Engineering	8,963	4,485	3,959	1,391	351	1,882	335	520	6
Aerospace, aeronautical, and astronautical engineering	349	202	186	50	14	71	51	15	1
Chemical engineering	829	439	383	150	14	207	12	55	1
Civil engineering	543	244	198	66	42	66	24	46	0
Electrical, electronics, and communication engineering	1,900	957	858	201	57	534	66	98	1
Industrial and manufacturing engineering	240	122	103	21	24	49	9	19	0
Materials science engineering	815	401	349	160	28	148	13	52	0
Mechanical engineering	1,282	659	575	218	46	266	45	82	2
Other engineering	3,005	1,461	1,307	525	126	541	115	153	1
Education	4,944	2,637	2,507	194	1,356	105	852	124	6
Education administration	967	562	547	9	211	15	312	14	1
Education research	2,704	1,385	1,303	140	717	75	371	78	4
Teacher education	111	D	D	D	32	D	19	D	0
Teaching fields	895	497	473	35	321	7	110	23	1
Other education	267	D	D	D	75	D	40	D	0
Humanities	5,662	2,462	2,216	319	1,570	85	242	243	3
Foreign languages and literature	701	315	277	23	235	D	D	37	1
History	1,149	525	468	86	308	18	56	56	1
Letters	1,604	715	671	84	521	D	D	43	1
Other humanities	2,208	907	800	126	506	48	120	107	0

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Sex and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States				Abroad	Unknown	
			Total	Postdoctoral study	Academic employment	Industry employment ^a			Other ^b
Other ^d	3,195	1,744	1,478	120	1,087	110	161	262	4
Business management and administration	1,545	933	765	37	612	72	44	166	2
Communication	649	333	306	31	240	11	24	27	0
Non-S&E fields not elsewhere classified	1,001	478	407	52	235	27	93	69	2
Male	28,353	15,282	13,325	5,202	3,505	3,200	1,418	1,942	15
Life sciences	5,495	2,828	2,540	1,743	313	300	184	286	2
Agricultural sciences and natural resources	705	373	306	142	66	55	43	67	0
Biological, biomedical sciences	3,981	2,032	1,849	1,466	131	183	69	182	1
Health sciences	809	423	385	135	116	62	72	37	1
Physical sciences	6,589	3,889	3,383	1,704	456	1,058	165	504	2
Chemistry	1,502	855	776	508	50	194	24	79	0
Computer and information sciences	1,549	945	863	196	142	470	55	81	1
Geosciences	498	308	271	172	32	45	22	37	0
Mathematics	1,290	775	629	279	172	149	29	145	1
Physics and astronomy	1,750	1,006	844	549	60	200	35	162	0
Social sciences	3,419	2,003	1,628	478	710	166	274	372	3
Anthropology	189	78	58	23	23	D	D	20	0
Economics	767	500	330	34	171	54	71	170	0
Political science	469	270	215	41	137	12	25	54	1
Psychology	1,002	595	550	286	115	63	86	43	2
Sociology	259	148	131	25	89	D	D	17	0
Other social sciences	733	412	344	69	175	28	72	68	0
Engineering	6,910	3,525	3,101	1,050	263	1,515	273	418	6
Aerospace, aeronautical, and astronautical engineering	294	169	D	40	D	64	41	D	1
Chemical engineering	569	310	269	101	8	150	10	40	1
Civil engineering	418	195	157	51	32	55	19	38	0
Electrical, electronics, and communication engineering	1,617	821	732	173	48	449	62	88	1
Industrial and manufacturing engineering	175	89	D	14	D	35	6	D	0
Materials science engineering	598	302	265	128	21	109	7	37	0
Mechanical engineering	1,085	562	488	186	35	227	40	72	2
Other engineering	2,154	1,077	961	357	90	426	88	115	1
Education	1,575	881	818	49	421	42	306	62	1
Education administration	374	D	D	D	73	D	136	D	0
Education research	826	443	405	34	224	33	114	38	0
Teacher education	22	D	D	D	7	0	D	D	0
Teaching fields	277	169	D	9	100	D	43	D	1
Other education	76	35	D	0	17	D	D	D	0
Humanities	2,760	1,236	1,103	131	785	52	135	133	0
Foreign languages and literature	271	132	119	12	99	D	D	13	0

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Sex and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States				Abroad	Unknown	
			Total	Postdoctoral study	Academic employment	Industry employment ^a			Other ^b
History	631	296	265	41	171	11	42	31	0
Letters	665	313	292	26	234	D	D	21	0
Other humanities	1,193	495	427	52	281	29	65	68	0
Other ^d	1,605	920	752	47	557	67	81	167	1
Business management and administration	906	574	464	24	369	50	21	110	0
Communication	246	123	112	D	90	D	8	11	0
Non-S&E fields not elsewhere classified	453	223	176	D	98	D	52	46	1
Female	24,396	12,383	11,318	4,433	4,035	1,313	1,537	1,046	19
Life sciences	6,807	3,391	3,121	1,931	599	277	314	264	6
Agricultural sciences and natural resources	624	315	273	146	46	44	37	42	0
Biological, biomedical sciences	4,487	2,186	2,020	1,535	211	159	115	162	4
Health sciences	1,696	890	828	250	342	74	162	60	2
Physical sciences	2,698	1,458	1,292	676	247	305	64	165	1
Chemistry	987	495	455	290	47	101	17	40	0
Computer and information sciences	348	179	171	39	44	78	10	7	1
Geosciences	381	218	186	122	31	18	15	32	0
Mathematics	527	310	273	93	104	62	14	37	0
Physics and astronomy	455	256	207	132	21	46	8	49	0
Social sciences	4,981	2,768	2,519	1,079	851	225	364	248	1
Anthropology	363	157	137	47	64	D	D	20	0
Economics	418	291	218	25	112	41	40	73	0
Political science	333	171	151	40	93	8	10	20	0
Psychology	2,598	1,493	1,431	828	277	127	199	61	1
Sociology	377	220	197	57	111	D	D	23	0
Other social sciences	892	436	385	82	194	31	78	51	0
Engineering	2,051	960	858	341	88	367	62	102	0
Aerospace, aeronautical, and astronautical engineering	55	33	D	10	D	7	10	D	0
Chemical engineering	260	129	114	49	6	57	2	15	0
Civil engineering	125	49	41	15	10	11	5	8	0
Electrical, electronics, and communication engineering	281	136	126	28	9	85	4	10	0
Industrial and manufacturing engineering	65	33	D	7	D	14	3	D	0
Materials science engineering	217	99	84	32	7	39	6	15	0
Mechanical engineering	197	97	87	32	11	39	5	10	0
Other engineering	851	384	346	168	36	115	27	38	0
Education	3,369	1,756	1,689	145	935	63	546	62	5
Education administration	593	D	D	D	138	D	176	D	1
Education research	1,878	942	898	106	493	42	257	40	4
Teacher education	89	D	D	D	25	D	D	D	0
Teaching fields	618	328	D	26	221	D	67	D	0

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			Total	Postdoctoral study	Academic employment	Industry employment ^a			Other ^b
Other education	191	D	D	D	58	5	D	D	0
Humanities	2,901	1,226	1,113	188	785	33	107	110	3
Foreign languages and literature	430	183	158	11	136	0	11	24	1
History	518	229	203	45	137	7	14	25	1
Letters	939	402	379	58	287	7	27	22	1
Other humanities	1,014	412	373	74	225	19	55	39	0
Other ^d	1,589	824	726	73	530	43	80	95	3
Business management and administration	638	359	301	13	243	22	23	56	2
Communication	403	210	194	D	150	D	16	16	0
Non-S&E fields not elsewhere classified	548	255	231	D	137	D	41	23	1

D = suppressed to avoid disclosure of confidential information.

S&E = science and engineering.

^a Includes doctorate recipients who indicated self-employment.

^b Includes doctorate recipients who indicated government, nonprofit, elementary or secondary school, or other employment and those with unknown employment.

^c Includes respondents who did not report sex.

^d Non-science and engineering fields not shown separately.

NOTES: See table A-6 in the technical notes for a listing of major fields and their constituent subfields. Definite postgraduate commitment includes doctorate recipients reporting definite postgraduation commitments for employment or postdoctoral study.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2013.