

TABLE 51. Definite postgraduation commitments of doctorate recipients, by citizenship status and major field of study: 2014

Citizenship status 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 <sup>a</sup>			Other <sup>b</sup>
All doctorate recipients <sup>c</sup>	54,070	27,139	24,220	9,418	7,290	4,770	2,742	2,866	53
Life sciences	12,504	6,107	5,583	3,678	890	590	425	511	13
Agricultural sciences and natural resources	1,303	630	526	251	107	101	67	101	3
Biological, biomedical sciences	8,991	4,336	3,987	3,099	343	385	160	340	9
Health sciences	2,210	1,141	1,070	328	440	104	198	70	1
Physical sciences	9,859	5,372	4,686	2,227	718	1,508	233	674	12
Chemistry	2,673	1,333	1,194	712	127	316	39	136	3
Computer and information sciences	2,072	1,169	1,064	214	179	614	57	102	3
Geosciences	989	592	522	311	65	102	44	69	1
Mathematics	1,879	1,073	907	390	263	205	49	163	3
Physics and astronomy	2,246	1,205	999	600	84	271	44	204	2
Social sciences	8,657	4,702	4,082	1,526	1,535	424	597	613	7
Anthropology	527	236	189	73	87	5	24	47	0
Economics	1,194	819	576	83	284	116	93	242	1
Political science	776	410	342	73	211	20	38	68	0
Psychology	3,765	2,061	1,955	1,090	409	205	251	105	1
Sociology	678	366	332	84	215	8	25	33	1
Other social sciences	1,717	810	688	123	329	70	166	118	4
Engineering	9,568	4,542	4,060	1,350	405	1,956	349	473	9
Aerospace, aeronautical, and astronautical engineering	387	212	194	60	19	67	48	17	1
Chemical engineering	975	462	420	161	22	224	13	41	1
Civil engineering	622	261	212	84	47	54	27	49	0
Electrical, electronics, and communication engineering	1,957	962	868	183	68	560	57	92	2
Industrial and manufacturing engineering	298	127	114	20	26	51	17	12	1
Materials science engineering	836	374	337	139	23	151	24	37	0
Mechanical engineering	1,332	643	579	218	56	257	48	63	1
Other engineering	3,161	1,501	1,336	485	144	592	115	162	3
Education	4,793	2,429	2,293	192	1,251	75	775	132	4
Education administration	895	446	433	6	162	18	247	10	3
Education research	2,558	1,325	1,250	136	707	41	366	74	1
Teacher education	153	D	D	D	45	D	21	D	0
Teaching fields	919	480	445	41	280	9	115	35	0
Other education	268	D	D	D	57	D	26	D	0
Humanities	5,486	2,381	2,100	346	1,449	79	226	276	5
Foreign languages and literature	676	318	278	26	231	D	D	39	1
History	1,182	536	469	118	269	18	64	67	0
Letters	1,553	701	637	75	501	D	D	D	D
Other humanities	2,075	826	716	127	448	37	104	D	D

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Other <sup>d</sup>	3,203	1,606	1,416	99	1,042	138	137	187	3	
Business management and administration	1,583	902	784	27	615	94	48	116	2	
Communication	664	311	283	28	229	15	11	27	1	
Non-S&E fields not elsewhere classified	956	393	349	44	198	29	78	44	0	
U.S. citizen or permanent resident	34,005	18,803	17,930	6,457	6,176	2,722	2,575	850	23	
Life sciences	8,438	4,458	4,275	2,642	800	438	395	177	6	
Agricultural sciences and natural resources	728	386	368	148	89	69	62	D	D	
Biological, biomedical sciences	6,097	3,134	2,985	2,246	301	294	144	D	D	
Health sciences	1,613	938	922	248	410	75	189	16	0	
Physical sciences	5,061	3,029	2,810	1,322	529	750	209	214	5	
Chemistry	1,447	823	787	443	96	217	31	35	1	
Computer and information sciences	848	533	499	90	123	236	50	31	3	
Geosciences	627	398	375	217	55	62	41	23	0	
Mathematics	934	587	540	218	189	89	44	46	1	
Physics and astronomy	1,205	688	609	354	66	146	43	79	0	
Social sciences	6,268	3,767	3,588	1,374	1,321	351	542	177	2	
Anthropology	407	192	176	D	D	5	24	16	0	
Economics	468	368	335	41	175	60	59	32	1	
Political science	571	327	301	D	189	D	35	26	0	
Psychology	3,046	1,909	1,863	1,037	387	198	241	46	0	
Sociology	540	311	301	77	D	D	24	10	0	
Other social sciences	1,236	660	612	97	294	62	159	47	1	
Engineering	4,029	2,190	2,102	603	261	927	311	87	1	
Aerospace, aeronautical, and astronautical engineering	246	149	D	D	D	51	47	D	1	
Chemical engineering	447	248	235	71	12	142	10	13	0	
Civil engineering	229	123	D	37	D	31	24	D	0	
Electrical, electronics, and communication engineering	577	335	328	53	40	183	52	7	0	
Industrial and manufacturing engineering	91	52	D	D	14	20	14	D	0	
Materials science engineering	364	188	180	55	15	89	21	8	0	
Mechanical engineering	558	322	308	96	39	128	45	14	0	
Other engineering	1,517	773	739	257	101	283	98	34	0	
Education	3,931	2,216	2,180	D	1,181	D	766	33	3	
Education administration	762	437	D	D	D	18	D	D	3	
Education research	2,101	1,208	1,187	122	668	D	D	21	0	
Teacher education	133	D	71	D	D	D	21	D	0	
Teaching fields	733	409	404	26	254	9	115	5	0	
Other education	202	D	D	D	D	D	26	0	0	

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Humanities	4,360	2,034	1,905	D	1,309	D	222	125	4
Foreign languages and literature	470	243	228	22	186	D	D	15	0
History	965	454	425	102	241	18	64	29	0
Letters	1,303	636	598	D	467	D	40	D	D
Other humanities	1,622	701	654	101	415	D	D	D	D
Other <sup>d</sup>	1,918	1,109	1,070	D	775	D	130	37	2
Business management and administration	847	543	522	D	404	D	D	20	1
Communication	474	252	243	20	197	15	11	8	1
Non-S&E fields not elsewhere classified	597	314	305	31	174	D	D	9	0
Temporary visa holder	15,852	8,258	6,225	2,941	1,093	2,035	156	2,008	25
Life sciences	3,156	1,633	1,293	1,028	88	150	27	333	7
Agricultural sciences and natural resources	498	243	157	103	18	31	5	D	D
Biological, biomedical sciences	2,241	1,187	988	845	40	90	13	D	D
Health sciences	417	203	148	80	30	29	9	54	1
Physical sciences	4,094	2,329	1,865	901	186	756	22	458	6
Chemistry	1,002	507	405	268	31	98	8	101	1
Computer and information sciences	1,067	632	562	123	56	377	6	70	0
Geosciences	314	192	145	93	9	40	3	46	1
Mathematics	819	481	363	171	72	116	4	116	2
Physics and astronomy	892	517	390	246	18	125	1	125	2
Social sciences	1,553	920	483	149	209	71	54	433	4
Anthropology	88	44	13	D	D	0	0	31	0
Economics	626	450	240	42	108	56	34	210	0
Political science	145	83	41	D	22	D	3	42	0
Psychology	251	144	86	50	D	D	9	57	1
Sociology	92	52	28	7	20	0	1	23	1
Other social sciences	351	147	75	26	34	8	7	70	2
Engineering	4,936	2,336	1,945	745	142	1,022	36	385	6
Aerospace, aeronautical, and astronautical engineering	124	63	D	D	D	16	1	D	0
Chemical engineering	483	212	183	89	10	81	3	28	1
Civil engineering	340	137	D	47	D	23	3	D	0
Electrical, electronics, and communication engineering	1,218	622	536	130	28	374	4	85	1
Industrial and manufacturing engineering	185	75	D	D	12	31	3	D	1
Materials science engineering	421	185	156	84	8	61	3	29	0
Mechanical engineering	688	318	269	121	17	128	3	48	1
Other engineering	1,477	724	594	228	42	308	16	128	2

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			Total	Postdoctoral study	Academic employment	Industry employment <sup>a</sup>			Other <sup>b</sup>
Education	478	212	112	D	70	D	8	99	1
Education administration	39	9	D	D	D	0	D	D	0
Education research	265	116	62	14	39	D	D	53	1
Teacher education	14	D	D	0	D	0	0	D	0
Teaching fields	134	71	41	15	26	0	0	30	0
Other education	26	D	D	D	D	0	0	D	0
Humanities	705	339	188	D	136	D	3	151	0
Foreign languages and literature	142	71	47	D	D	0	0	24	0
History	146	81	43	16	27	0	0	38	0
Letters	140	63	37	D	D	0	D	26	0
Other humanities	277	124	61	26	32	D	D	63	0
Other <sup>d</sup>	930	489	339	D	262	D	6	149	1
Business management and administration	587	354	258	D	207	D	D	95	1
Communication	137	58	39	7	32	0	0	19	0
Non-S&E fields not elsewhere classified	206	77	42	13	23	D	D	35	0

D = suppressed to avoid disclosure of confidential information.

S&E = science and engineering.

<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.

<sup>c</sup> Includes respondents who did not report citizenship status.

<sup>d</sup> Non-science and engineering fields.

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, 2014.