TABLE 1. Doctorate recipients from U.S. colleges and universities: 1957–2014

Year	Doctorate recipients	% change from previous year
1957	8,611	1.1
1958	8,773	1.9
1959	9,213	5.0
1960	9,733	5.6
1961	10,413	7.0
1962	11,500	10.4
1963	12,728	10.7
1964	14,325	12.5
1965	16,340	14.1
1966	17,949	9.8
1967	20,403	13.7
1968	22,937	12.4
1969	25,743	12.2
1970	29,498	14.6
1971	31,867	8.0
1972	33,041	3.7
1973	33,755	2.2
1974	33,047	-2.1
1975	32,952	-0.3
1976	32,946	*
1977	31,716	-3.7
1978	30,875	-2.7
1979	31,238	1.2
1980	31,019	-0.7
1981	31,355	1.1
1982	31,108	-0.8
1983	31,280	0.6
1984	31,334	0.2
1985	31,295	-0.1
1986	31,897	1.9
1987	32,365	1.5
1988	33,497	3.5
1989	34,325	2.5
1990	36,065	5.1
1991	37,530	4.1
1992	38,886	3.6
1993	39,800	2.4
1994	41,034	3.1
1995	41,747	1.7
1996	42,437	1.7
1997	42,539	0.2
1998	42,638	0.2
1999	41,100	-3.6
2000	41,372	0.7
2001	40,744	-1.5
2002	40,031	-1.7
2003	40,766	1.8
2004	42,123	3.3
2005	43,385	3.0
2006	45,622	5.2
2007	48,132	5.5
2008	48,778	1.3
2009	49,553	1.6
2010	48,031	-3.1

TABLE 1. Doctorate recipients from U.S. colleges and universities: 1957–2014

Year	Doctorate recipients	% change from previous year
2011	48,914	1.8
2012	50,961	4.2
2013	52,747	3.5
2014	54,070	2.5

* = value < 0.05%.

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

TABLE 2. Doctorate-granting institutions and doctorate recipients per institution: 1973–2014

Year	Doctorate-granting institutions	Doctorate recipients		
		Total	Mean (per institution)	Median (per institution)
1973	286	33,755	118.0	42.0
1974	292	33,047	113.2	39.5
1975	292	32,952	112.8	43.5
1976	294	32,946	112.1	43.5
1977	304	31,716	104.3	41.0
1978	311	30,875	99.3	36.0
1979	311	31,238	100.4	40.0
1980	320	31,019	96.9	37.0
1981	323	31,355	97.1	41.0
1982	328	31,108	94.8	35.0
1983	332	31,280	94.2	37.0
1984	331	31,334	94.7	39.0
1985	337	31,295	92.9	36.0
1986	340	31,897	93.8	36.0
1987	349	32,365	92.7	38.0
1988	351	33,497	95.4	36.0
1989	356	34,325	96.4	36.0
1990	354	36,065	101.9	42.5
1991	364	37,530	103.1	38.5
1992	367	38,886	106.0	42.0
1993	372	39,800	107.0	42.5
1994	374	41,034	109.7	43.0
1995	382	41,747	109.3	43.0
1996	390	42,437	108.8	44.0
1997	384	42,539	110.8	44.5
1998	388	42,638	109.9	43.5
1999	397	41,100	103.5	41.0
2000	409	41,372	101.2	40.0
2001	418	40,744	97.5	36.0
2002	416	40,031	96.2	38.0
2003	425	40,766	95.9	36.0
2004	419	42,123	100.5	38.0
2005	419	43,385	103.5	41.0
2006	419	45,622	108.9	40.0
2007	414	48,132	116.3	46.0
2008	421	48,778	115.9	43.0
2009	422	49,553	117.4	45.0
2010	418	48,031	114.9	42.0
2011	412	48,914	118.7	41.5
2012	418	50,961	121.9	45.0
2013	422	52,747	125.0	44.0
2014	426	54,070	126.9	47.0

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

TABLE 3. Top 50 doctorate-granting institutions, ranked by number of doctorate recipients: 2014

Rank	Institution	Doctorate recipients
1	U. California, Berkeley	915
2	U. Michigan, Ann Arbor	851
3	U. Texas, Austin	850
4	U. Wisconsin, Madison	784
5	U. Florida	763
6	U. Minnesota, Twin Cities	762
7	U. California, Los Angeles	757
8	U. Illinois, Urbana-Champaign	756
9	Purdue U., West Lafayette	731
10	Stanford U.	729
11	Harvard U.	715
12	Texas A&M U., College Station	714
13	Ohio State U., Columbus	683
14	Pennsylvania State U., U. Park and Hershey Medical Center	654
15	U. Washington, Seattle	649
16	Massachusetts Institute of Technology	594
17	U. Maryland, College Park	583
18	Walden U.	563
19	Georgia Institute of Technology	551
20	Columbia U. in the City of New York	545
21	Michigan State U.	543
22	U. North Carolina, Chapel Hill	535
23	Cornell U.	508
24	U. California, Davis	489
25	U. California, San Diego	481
26	New York U.	479
27	U. Pittsburgh, Pittsburgh	475
28	Virginia Polytechnic Institute and State U.	474
29	Graduate Center, CUNY	469
30	North Carolina State U.	459
31	U. Pennsylvania	452
32	Johns Hopkins U.	447
33	U. Arizona	433
34	Northwestern U.	431
34	U. Southern California	431
36	Arizona State U.	427
37	Rutgers, State U. New Jersey, New Brunswick	425
38	U. Georgia	421
39	Boston U.	420
40	U. California, Irvine	414
41	Yale U.	403
42	U. Chicago	401
43	U. Virginia, Charlottesville	393
44	Princeton U.	389
45	Indiana U., Bloomington	380
45	U. Colorado, Boulder	380
47	Florida State U.	366
48	U. Iowa	361
49	U. California, Santa Barbara	353
50	Iowa State U.	349

NOTE: Tied institutions are listed alphabetically.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 4. Top 20 doctorate-granting institutions ranked by number of doctorate recipients, by broad field of study: 2014

Rank	Field and institution	Doctorate recipients
	Life sciences[a]	12,504
	From top 20 institutions	3,520
1	Johns Hopkins U.	235
2	Harvard U.	233
3	U. North Carolina, Chapel Hill	215
4	U. Florida	209
5	U. Wisconsin, Madison	206
6	U. Minnesota, Twin Cities	196
7	U. Michigan, Ann Arbor	186
8	U. California, Davis	182
9	U. California, Berkeley	180
10	Ohio State U., Columbus	177
11	U. Washington, Seattle	174
12	U. Pittsburgh, Pittsburgh	162
13	Texas A&M U., College Station	160
13	U. California, Los Angeles	160
15	U. Pennsylvania	149
16	Walden U.	147
17	U. Illinois, Urbana-Champaign	144
18	U. Georgia	143
19	Michigan State U.	135
20	Purdue U., West Lafayette	127
	Physical sciences[b]	9,859
	From top 20 institutions	2,879
1	U. California, Berkeley	216
2	Stanford U.	176
3	U. Illinois, Urbana-Champaign	167
4	U. California, Los Angeles	165
5	U. Washington, Seattle	164
6	U. Wisconsin-Madison	158
7	Purdue U., West Lafayette	153
8	U. Michigan, Ann Arbor	149
9	Harvard U.	137
10	U. Maryland, College Park	135
11	Massachusetts Institute of Technology	132
11	Texas A&M U., College Station	132
13	U. Texas, Austin	129
14	North Carolina State U.	128
15	Georgia Institute of Technology	125
16	Pennsylvania State U., U. Park and Hershey Medical Center	124
16	U. Florida	124
16	U. Minnesota, Twin Cities	124
19	Ohio State U., Columbus	122
20	U. California, San Diego	119
	Social sciences[c]	8,657
	From top 20 institutions	2,266
1	Walden U.	266
2	Graduate Center, CUNY	175
3	U. California, Berkeley	137
4	U. California, Los Angeles	136
5	U. Texas, Austin	117
6	Harvard U.	110
7	U. Michigan, Ann Arbor	109
8	U. Minnesota, Twin Cities	108

TABLE 4. Top 20 doctorate-granting institutions ranked by number of doctorate recipients, by broad field of study: 2014

Rank	Field and institution	Doctorate recipients
9	U. Florida	105
10	U. Wisconsin-Madison	104
11	U. Chicago	102
12	Pennsylvania State U., U. Park and Hershey Medical Center	97
12	U. Maryland, College Park	97
14	Michigan State U.	91
15	Arizona State U.	87
15	New York U.	87
17	Columbia U. in the City of New York	86
17	Fielding Graduate U.	86
19	Ohio State U., Columbus	85
20	George Mason U.	81
	Engineering	9,568
	From top 20 institutions	3,909
1	Georgia Institute of Technology	359
2	Massachusetts Institute of Technology	304
3	Purdue U., West Lafayette	291
4	U. Michigan, Ann Arbor	253
5	Stanford U.	248
6	U. Texas, Austin	241
7	Texas A&M U., College Station	240
8	U. Illinois, Urbana-Champaign	209
9	U. California, Berkeley	204
10	U. Florida	197
11	Virginia Polytechnic Institute and State U.	193
12	North Carolina State U.	157
13	Pennsylvania State U., U. Park and Hershey Medical Center	149
14	U. Maryland, College Park	138
15	U. California, Los Angeles	137
16	U. Minnesota, Twin Cities	130
17	U. Wisconsin-Madison	126
18	Ohio State U., Columbus	114
19	Carnegie Mellon U.	110
20	Cornell U.	109
	Education	4,793
	From top 20 institutions	1,310
1	Columbia U., Teachers C.	129
2	U. Texas, Austin	89
3	Michigan State U.	83
4	U. Georgia	77
5	U. Minnesota, Twin Cities	75
6	Pennsylvania State U., U. Park and Hershey Medical Center	74
7	U. Wisconsin, Madison	70
8	Ohio State U., Columbus	66
9	Walden U.	62
10	Texas A&M U., College Station	59
11	Texas Tech U.	54
11	U. North Texas, Denton	54
13	Boston U.	53
13	Indiana U., Bloomington	53
13	U. Maryland, College Park	53
13	U. North Carolina, Greensboro	53
17	George Washington U.	52
17	Oklahoma State U., Stillwater	52

TABLE 4. Top 20 doctorate-granting institutions ranked by number of doctorate recipients, by broad field of study: 2014

Rank	Field and institution	Doctorate recipients
17	U. Florida	52
20	Auburn U., Auburn	50
	Humanities	5,486
	From top 20 institutions	1,936
1	Harvard U.	141
2	Columbia U. in the City of New York	135
3	New York U.	127
4	U. Chicago	122
5	U. California, Berkeley	117
6	Princeton U.	109
7	U. California, Los Angeles	106
8	Graduate Center, CUNY	103
9	Yale U.	102
10	U. Texas, Austin	91
11	U. Wisconsin, Madison	90
12	Indiana U., Bloomington	85
13	U. Virginia, Charlottesville	83
14	Ohio State U., Columbus	81
14	U. Michigan, Ann Arbor	81
16	U. North Carolina, Chapel Hill	74
17	Boston U.	73
17	Stanford U.	73
19	U. California, Santa Barbara	72
20	Emory U.	71
	Other[d]	3,203
	From top 20 institutions	904
1	Walden U.	82
2	U. Texas, Austin	75
3	U. Minnesota, Twin Cities	60
4	Regent U.	51
5	Florida State U.	49
5	Pennsylvania State U., U. Park and Hershey Medical Center	49
7	U. Michigan, Ann Arbor	47
8	U. Illinois, Urbana-Champaign	45
8	U. Southern California	45
10	Michigan State U.	43
11	Texas Tech U.	39
12	Ohio State U., Columbus	38
12	U. North Carolina, Chapel Hill	38
14	Columbia U. in the City of New York	36
14	New York U.	36
14	U. Kansas	36
17	Temple U.	35
18	Virginia Polytechnic Institute and State U.	34
19	Texas A&M U., College Station	33
19	U. Texas, Arlington	33

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

NOTE: Tied institutions are listed alphabetically.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 5. State or location, ranked by number of doctorate recipients: 2014

Rank	State or location	Doctorate recipients
1	California	6,200
2	New York	4,324
3	Texas	3,972
4	Massachusetts	2,820
5	Pennsylvania	2,594
6	Illinois	2,392
7	Florida	2,275
8	Michigan	1,958
9	Ohio	1,929
10	North Carolina	1,695
11	Virginia	1,557
12	Indiana	1,456
13	Georgia	1,454
14	Minnesota	1,356
15	Maryland	1,289
16	New Jersey	1,154
17	Wisconsin	1,110
18	Colorado	943
19	Washington	931
20	Missouri	892
20	Tennessee	892
22	Arizona	891
23	Connecticut	733
23	Iowa	733
25	Alabama	670
26	Louisiana	614
27	District of Columbia	596
28	South Carolina	540
29	Kentucky	523
30	Oklahoma	517
31	Utah	508
32	Kansas	485
33	Oregon	439
34	Mississippi	420
35	Nebraska	366
36	New Mexico	337
37	Rhode Island	333
38	Arkansas	211
39	Nevada	199
39	Puerto Rico	199
41	Hawaii	196
42	Delaware	195
43	West Virginia	192
44	New Hampshire	179
45	North Dakota	159
46	Idaho	133
47	Montana	107
48	Wyoming	103
49	South Dakota	101
50	Maine	76
51	Vermont	73
52	Alaska	49

NOTE: Tied states or locations are listed alphabetically.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 6. Doctorates awarded, by state or location, broad field of study, and sex of doctorate recipients: 2014

	Total[a]		Life sciences[b]		Physical sciences[c]		Social sciences[d]		Engineering		Education		Humanities		Other[e]	
State or location	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
United States[f]	29,049	24,857	5,468	6,998	7,004	2,820	3,477	5,155	7,349	2,179	1,467	3,316	2,697	2,785	1,587	1,604
Alabama	342	328	98	117	68	28	22	44	88	26	37	90	8	11	21	12
Alaska	17	32	D	D	9	7	D	D	D	D	0	D	D	D	D	0
Arizona	478	411	78	89	110	43	68	100	113	41	30	68	51	48	28	22
Arkansas	114	94	40	36	27	16	13	7	14	5	5	14	5	6	10	10
California	3,454	2,717	626	688	967	369	492	709	859	253	93	221	324	367	93	110
Colorado	529	409	94	136	170	64	44	61	144	39	35	69	27	20	15	20
Connecticut	393	339	83	116	94	37	69	75	62	28	D	D	60	58	D	D
Delaware	100	95	D	D	22	18	14	22	38	25	D	D	D	D	0	0
District of Columbia	275	320	28	58	33	24	85	108	42	7	11	42	48	45	28	36
Florida	1,218	1,056	198	261	306	136	154	218	311	98	89	182	87	86	73	75
Georgia	807	643	144	185	181	73	62	119	289	74	32	95	66	61	33	36
Hawaii	88	108	23	22	17	11	15	32	D	D	11	19	13	17	D	D
Idaho	86	47	20	12	18	9	5	D	D	D	8	17	D	D	0	D
Illinois	1,331	1,061	194	269	343	127	185	230	313	98	48	81	150	168	98	88
Indiana	868	581	115	155	223	66	73	103	287	61	38	82	98	78	34	36
Iowa	400	329	98	106	90	49	27	43	96	33	36	50	28	27	25	21
Kansas	256	228	71	58	44	22	43	42	49	21	8	38	20	25	21	22
Kentucky	279	244	62	81	42	19	26	44	69	13	9	35	44	30	27	22
Louisiana	327	280	68	82	84	39	39	43	62	18	14	42	29	28	31	28
Maine	36	40	14	15	D	D	D	D	D	D	D	D	D	0	0	D
Maryland	650	632	147	260	163	63	70	115	186	55	17	49	47	54	20	36
Massachusetts	1,563	1,253	295	372	381	153	187	237	425	143	49	109	152	170	74	69
Michigan	1,071	885	176	220	231	99	105	185	355	85	79	155	71	85	54	56
Minnesota	631	710	146	213	100	27	138	235	108	21	44	91	31	40	64	83
Mississippi	213	202	39	44	D	D	20	42	44	9	40	70	D	D	18	18
Missouri	475	413	105	120	107	41	66	82	95	26	24	63	44	53	34	28
Montana	58	49	24	18	13	8	D	D	D	D	13	8	0	D	0	0
Nebraska	166	199	51	74	34	15	17	29	29	10	13	34	9	25	13	12
Nevada	107	91	10	22	17	11	23	25	D	D	13	23	D	D	D	D
New Hampshire	95	84	35	41	36	15	D	D	14	7	D	D	D	D	D	D
New Jersey	637	516	76	119	191	62	76	127	132	50	23	32	99	89	40	37
New Mexico	177	160	26	27	46	20	22	23	49	16	13	43	11	18	10	13
New York	2,218	2,094	388	517	517	216	351	558	432	135	87	222	349	332	94	114
North Carolina	852	839	190	313	213	104	74	130	230	69	35	100	64	73	46	50
North Dakota	93	66	23	26	D	D	9	D	D	D	15	16	D	0	D	D
Ohio	1,054	872	215	234	243	114	100	143	294	73	65	149	87	94	50	65
Oklahoma	278	238	51	51	59	29	34	45	64	19	27	54	20	21	23	19
Oregon	220	219	48	76	66	25	20	44	54	10	7	24	17	22	8	18
Pennsylvania	1,410	1,184	275	352	370	119	138	181	324	125	64	142	147	153	92	112

TABLE 6. Doctorates awarded, by state or location, broad field of study, and sex of doctorate recipients: 2014

	Total[a]		Life sciences[b]		Physical sciences[c]		Social sciences[d]		Engineering		Education		Humanities		Other[e]	
State or location	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Puerto Rico	61	127	11	26	17	11	13	66	5	D	0	D	6	6	9	12
Rhode Island	149	184	24	56	57	37	18	35	D	D	D	D	26	30	D	0
South Carolina	305	235	54	70	56	30	22	34	109	35	37	42	10	8	17	16
South Dakota	59	41	20	21	17	5	D	D	14	5	D	D	0	D	D	0
Tennessee	496	395	99	125	79	24	43	75	146	28	37	73	57	46	35	24
Texas	2,180	1,778	402	497	495	198	190	286	652	188	93	305	190	161	158	143
Utah	311	187	74	50	85	20	34	44	76	18	20	28	7	12	15	15
Vermont	35	38	19	17	D	D	D	7	D	D	D	D	D	D	0	0
Virginia	860	697	111	173	164	70	112	148	260	79	64	126	67	59	82	42
Washington	502	428	113	128	139	59	55	79	116	47	23	44	32	46	24	25
West Virginia	97	95	17	24	25	5	14	20	D	D	8	28	6	9	D	D
Wisconsin	566	544	119	181	128	57	72	90	129	39	36	84	54	69	28	24
Wyoming	62	40	8	13	D	D	5	6	24	5	D	10	0	D	0	D

D = suppressed to avoid disclosure of confidential information.

[a] Excludes 164 doctorate recipients who did not report sex.

[b] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[c] Includes mathematics and computer and information sciences.

[d] Includes psychology.

[e] Non-science and engineering fields not shown separately.

[f] Includes the 50 states, the District of Columbia, and Puerto Rico.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 7. Doctorate-granting institutions, by state or location and major science and engineering fields of study: 2014

State or location and institution	All fields	Science																	Engineering								
		Life sciences				Physical sciences						Social sciences															
		Total	Agricultural sciences, natural resources	Biological, biomedical sciences	Health sciences	Total	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy	Total	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences	Total	Aerospace, aeronautical	Chemical	Civil	Electrical	Industrial	Materials	Mechanical	Other engineering
All institutions	54,070	12,504	1,303	8,991	2,210	9,859	2,673	2,072	989	1,879	2,246	8,657	527	1,194	776	3,765	678	1,717	9,568	387	975	622	1,957	298	836	1,332	3,161
Alabama	670	215	37	135	43	96	25	18	7	23	23	66	1	9	3	48	4	1	114	2	16	11	14	7	16	20	28
Alabama A&M U.	7	5	5	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alabama State U.	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Auburn U., Auburn	251	77	32	33	12	36	10	8	0	12	6	22	0	4	1	16	0	1	56	1	15	4	8	6	5	11	6
Tuskegee U.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	0	0
U. Alabama, Birmingham	175	106	0	81	25	17	4	1	0	5	7	17	0	0	0	13	4	0	15	0	0	1	0	0	1	0	13
U. Alabama, Huntsville	30	4	0	4	0	11	1	4	1	0	5	1	0	0	0	1	0	0	14	0	0	1	1	1	0	6	5
U. Alabama, Tuscaloosa	167	14	0	8	6	28	10	5	3	6	4	20	1	5	2	12	0	0	26	1	1	5	5	0	7	3	4
U. South Alabama	22	9	0	9	0	2	0	0	2	0	0	6	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Alaska	49	20	7	10	3	16	1	1	14	0	0	4	1	0	0	2	0	1	4	0	0	1	0	0	1	0	2
U. Alaska, Fairbanks	49	20	7	10	3	16	1	1	14	0	0	4	1	0	0	2	0	1	4	0	0	1	0	0	1	0	2
Arizona	891	167	30	112	25	154	40	13	24	27	50	168	20	14	10	38	9	77	155	1	12	7	47	10	9	14	55
Arizona State U.	427	55	5	40	10	61	20	8	8	10	15	87	10	4	7	24	2	40	98	0	5	3	40	7	7	8	28
Northern Arizona U.	26	13	2	11	0	0	0	0	0	0	0	7	0	0	2	2	0	3	0	0	0	0	0	0	0	0	0
Prescott C.	5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
U. Arizona	433	99	23	61	15	93	20	5	16	17	35	73	10	10	1	12	7	33	57	1	7	4	7	3	2	6	27
Arkansas	211	78	14	45	19	44	11	4	1	4	24	20	2	4	0	4	0	10	19	0	3	1	5	2	1	1	6
Arkansas State U., Jonesboro	8	4	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
U. Arkansas for Medical Sciences	31	30	0	15	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Arkansas, Fayetteville	125	31	14	13	4	20	4	0	1	4	11	17	2	4	0	4	0	7	17	0	3	1	5	2	1	1	4
U. Arkansas, Little Rock	47	13	0	13	0	24	7	4	0	0	13	2	0	0	0	0	0	2	2	0	0	0	0	0	0	0	2
California	6,200	1,318	90	1,084	144	1,341	371	307	128	209	326	1,204	64	162	93	563	92	230	1,121	46	99	65	320	5	121	145	320
Alliant International U., Fresno	17	0	0	0	0	0	0	0	0	0	0	17	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0
Alliant International U., Los Angeles	31	0	0	0	0	0	0	0	0	0	0	31	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0
Alliant International U., San Diego	41	0	0	0	0	0	0	0	0	0	0	38	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
Alliant International U., San Francisco	22	0	0	0	0	0	0	0	0	0	0	21	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0
Azusa Pacific U.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Biola U.	33	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
California Institute of Integral Studies	41	0	0	0	0	0	0	0	0	0	0	21	3	0	0	9	0	9	0	0	0	0	0	0	0	0	0
California Institute of Technology	181	38	1	37	0	91	39	11	7	8	26	1	0	0	0	0	0	1	51	12	8	5	11	0	7	4	4

TABLE 7. Doctorate-granting institutions, by state or location and major science and engineering fields of study: 2014

State or location and institution	All fields	Science																	Engineering								
		Life sciences				Physical sciences						Social sciences															
		Total	Agricultural sciences, natural resources	Biological, biomedical sciences	Health sciences	Total	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy	Total	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences	Total	Aerospace, aeronautical	Chemical	Civil	Electrical	Industrial	Materials	Mechanical	Other engineering
Chapman U.	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Hope, Irell and Manella Graduate School of Biological Sciences	16	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont Graduate U.	110	2	1	1	0	5	0	1	0	4	0	38	0	8	14	12	0	4	0	0	0	0	0	0	0	0	0
Claremont School of Theology	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fielding Graduate U.	126	0	0	0	0	0	0	0	0	0	0	86	1	0	0	75	2	8	0	0	0	0	0	0	0	0	0
Frederick S. Pardee RAND Graduate School	21	1	0	0	1	0	0	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0
Fuller Theological Seminary	48	0	0	0	0	0	0	0	0	0	0	26	2	0	0	22	0	2	0	0	0	0	0	0	0	0	0
Graduate Theological Union	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Keck Graduate Institute	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
La Sierra U.	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loma Linda U.	40	22	0	14	8	0	0	0	0	0	0	17	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0
Palo Alto U.	64	0	0	0	0	0	0	0	0	0	0	64	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0
San Diego State U., San Diego	12	1	0	1	0	7	1	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Santa Clara U.	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	4	0	0	0	2
Saybrook U.	48	4	0	0	4	0	0	0	0	0	0	36	0	0	0	34	0	2	0	0	0	0	0	0	0	0	0
Scripps Research Institute	37	23	0	23	0	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stanford U.	729	114	10	104	0	176	29	36	23	31	57	70	4	24	7	17	9	9	248	12	19	15	97	1	15	28	61
U. California, Berkeley	915	180	22	141	17	216	62	46	18	39	51	137	10	25	19	19	18	46	204	1	19	11	39	0	19	46	69
U. California, Davis	489	182	28	144	10	105	33	22	7	18	25	66	4	21	4	18	8	11	69	4	7	4	11	0	9	6	28
U. California, Irvine	414	73	0	71	2	113	37	34	5	17	20	80	4	12	6	26	14	18	83	6	6	6	19	0	7	12	27
U. California, Los Angeles	757	160	1	130	29	165	40	38	8	31	48	136	9	12	17	52	14	32	137	5	7	17	36	0	15	22	35
U. California, Merced	41	15	6	9	0	11	1	4	2	4	0	7	1	0	0	5	0	1	4	0	0	0	0	0	1	0	3
U. California, Riverside	264	64	14	50	0	77	27	25	3	3	19	44	6	13	2	17	5	1	36	0	6	0	14	0	4	3	9
U. California, San Diego	481	122	0	111	11	119	31	22	20	16	30	66	4	13	11	26	7	5	104	0	1	0	36	0	18	11	38
U. California, San Francisco	136	114	0	92	22	4	3	0	0	0	1	7	3	0	0	0	3	1	8	0	0	0	0	0	0	0	8
U. California, Santa Barbara	353	24	4	20	0	79	21	16	12	14	16	70	2	12	7	17	7	25	75	0	20	0	17	0	23	5	10
U. California, Santa Cruz	175	46	3	43	0	51	7	12	9	10	13	42	11	10	2	8	2	9	7	0	0	0	3	0	0	0	4
U. San Diego	37	19	0	0	19	1	0	1	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
U. San Francisco	34	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
U. Southern California	431	93	0	74	19	103	22	36	14	11	20	53	0	12	4	10	3	24	89	6	6	7	33	4	3	8	22
U. of the Pacific	10	4	0	2	2	4	4	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
U. of the West	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 7. Doctorate-granting institutions, by state or location and major science and engineering fields of study: 2014

State or location and institution	All fields	Science																	Engineering								
		Life sciences				Physical sciences						Social sciences															
		Total	Agricultural sciences, natural resources	Biological, biomedical sciences	Health sciences	Total	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy	Total	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences	Total	Aerospace, aeronautical	Chemical	Civil	Electrical	Industrial	Materials	Mechanical	Other engineering
Colorado	943	230	26	165	39	236	42	36	61	37	60	106	3	14	7	47	8	27	185	16	21	43	29	1	14	26	35
Colorado School of Mines	96	2	2	0	0	39	4	1	27	0	7	4	0	4	0	0	0	0	50	0	8	4	3	0	13	3	19
Colorado State U., Fort Collins	230	72	15	50	7	64	20	11	9	13	11	26	0	2	2	16	3	3	26	1	0	8	9	1	0	5	2
U. Colorado, Boulder	380	58	9	48	1	110	17	19	25	11	38	51	3	8	4	15	5	16	93	15	13	22	13	0	1	17	12
U. Colorado, Colorado Springs	18	0	0	0	0	7	0	3	0	1	3	1	0	0	0	1	0	0	2	0	0	0	2	0	0	0	0
U. Colorado, Denver	32	4	0	0	4	5	0	1	0	4	0	6	0	0	1	0	0	5	11	0	0	9	0	0	0	0	2
U. Colorado, Denver, and Health Sciences Center	83	83	0	64	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Denver	32	0	0	0	0	2	0	1	0	0	1	6	0	0	0	3	0	3	3	0	0	0	2	0	0	1	0
U. Northern Colorado	72	11	0	3	8	9	1	0	0	8	0	12	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0
Connecticut	733	199	11	163	25	131	33	19	12	28	39	144	9	34	22	53	7	19	90	1	12	2	15	0	19	15	26
U. Bridgeport	4	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
U. Connecticut, Storrs	311	84	9	58	17	50	12	9	4	16	9	67	6	9	5	33	4	10	63	1	8	2	8	0	17	10	17
U. Hartford	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wesleyan U.	14	6	0	6	0	7	0	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yale U.	403	109	2	99	8	71	21	7	8	8	27	77	3	25	17	20	3	9	26	0	4	0	7	0	2	5	8
Delaware	195	35	7	24	4	40	15	7	5	7	6	36	0	5	2	7	1	21	63	0	20	7	11	0	9	8	8
Delaware State U.	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Delaware	194	34	7	23	4	40	15	7	5	7	6	36	0	5	2	7	1	21	63	0	20	7	11	0	9	8	8
District of Columbia	596	87	1	74	12	57	17	7	5	17	11	193	8	29	42	48	9	57	49	1	0	0	7	0	1	1	39
American U.	52	1	0	1	0	0	0	0	0	0	0	38	6	7	5	7	0	13	0	0	0	0	0	0	0	0	0
Catholic U. of America	69	4	0	2	2	3	0	1	0	0	2	14	0	0	6	7	0	1	9	0	0	0	1	0	0	1	7
Gallaudet U.	10	2	0	0	2	0	0	0	0	0	0	8	0	0	0	5	0	3	0	0	0	0	0	0	0	0	0
George Washington U.	233	26	0	25	1	22	4	6	0	10	2	49	2	10	13	14	0	10	37	1	0	0	5	0	0	0	31
Georgetown U.	127	31	0	30	1	14	10	0	0	0	4	47	0	12	13	4	0	18	0	0	0	0	0	0	0	0	0
Howard U.	105	23	1	16	6	18	3	0	5	7	3	37	0	0	5	11	9	12	3	0	0	0	1	0	1	0	1
Florida	2,275	459	63	283	113	443	116	109	49	70	99	372	24	22	24	160	35	107	409	14	16	37	87	31	36	51	137
Barry U.	19	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
Florida A&M U.	21	10	1	5	4	7	3	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida Atlantic U.	104	19	0	13	6	10	1	3	2	1	3	10	0	0	0	9	0	1	11	0	0	2	3	0	0	1	5
Florida Institute of Technology	42	4	0	4	0	13	4	0	2	1	6	11	0	0	0	11	0	0	14	2	0	0	4	1	0	1	6

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Florida International U.	143	25	0	19	6	41	17	11	6	0	7	28	4	1	2	11	2	8	29	0	0	6	9	0	4	1	9
Florida State U.	366	44	1	35	8	76	15	11	8	28	14	67	0	5	13	27	10	12	23	0	1	0	9	2	2	7	2
Lynn U.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nova Southeastern U.	130	2	0	2	0	51	0	51	0	0	0	55	0	1	0	19	1	34	0	0	0	0	0	0	0	0	0
U. Central Florida	223	21	3	13	5	52	11	11	0	6	24	29	0	0	0	16	8	5	72	0	0	6	18	16	4	9	19
U. Florida	763	209	54	109	46	124	43	15	7	27	32	105	12	10	7	30	11	35	197	12	9	15	31	3	25	24	78
U. Miami	157	50	2	41	7	22	8	1	11	1	1	22	0	1	0	14	3	4	22	0	0	4	1	5	0	4	8
U. South Florida, Tampa	285	74	2	42	30	47	14	6	13	6	8	40	8	4	2	18	0	8	41	0	6	4	12	4	1	4	10
U. West Florida	21	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia	1,454	331	36	243	52	255	88	68	26	36	37	181	16	16	18	75	18	38	363	46	35	13	78	13	23	51	104
Clark Atlanta U.	20	6	0	6	0	6	6	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Emory U.	248	90	0	81	9	28	17	1	0	6	4	47	8	5	4	15	8	7	0	0	0	0	0	0	0	0	0
Georgia Institute of Technology	551	29	0	29	0	125	25	54	16	10	20	27	0	0	0	12	1	14	359	46	35	13	78	13	23	51	100
Georgia Regents U.	27	27	0	26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia Southern U.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia State U.	167	19	0	18	1	30	10	8	2	3	7	39	0	7	4	19	5	4	0	0	0	0	0	0	0	0	0
Mercer U.	14	14	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morehouse School of Medicine	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Georgia	421	143	36	80	27	66	30	5	8	17	6	66	8	4	8	29	4	13	4	0	0	0	0	0	0	0	4
Hawaii	196	45	5	34	6	28	2	2	13	2	9	47	3	2	8	15	7	12	8	0	0	0	3	0	0	0	5
U. Hawaii, Manoa	196	45	5	34	6	28	2	2	13	2	9	47	3	2	8	15	7	12	8	0	0	0	3	0	0	0	5
Idaho	133	32	16	16	0	27	1	3	13	2	8	9	0	0	1	6	0	2	35	0	3	3	17	0	4	3	5
Boise State U.	18	0	0	0	0	7	0	0	7	0	0	0	0	0	0	0	0	0	11	0	0	0	7	0	3	0	1
Idaho State U.	28	1	0	1	0	2	0	0	0	0	2	4	0	0	0	4	0	0	6	0	0	0	3	0	0	1	2
U. Idaho	87	31	16	15	0	18	1	3	6	2	6	5	0	0	1	2	0	2	18	0	3	3	7	0	1	2	2
Illinois	2,392	463	36	352	75	470	139	107	20	99	105	415	40	78	45	161	38	53	411	20	51	34	63	18	46	57	122
Benedictine U.	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chicago Theological Seminary	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DePaul U.	19	0	0	0	0	5	0	5	0	0	0	12	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0
Garrett-Evangelical Theological Seminary	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Illinois Institute of Technology	76	5	0	5	0	9	3	3	0	1	2	13	0	0	0	13	0	0	36	1	10	5	5	0	1	5	9

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Illinois State U.	42	9	0	5	4	0	0	0	0	0	0	7	0	0	0	6	0	1	0	0	0	0	0	0	0	0	0
Institute for Clinical Social Work, Chicago	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Loyola U., Chicago	84	22	0	17	5	2	2	0	0	0	0	25	0	0	1	15	8	1	0	0	0	0	0	0	0	0	0
Lutheran School of Theology, Chicago	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
National Louis U.	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Northern Illinois U.	53	2	0	2	0	16	4	0	1	6	5	22	0	3	6	12	0	1	0	0	0	0	0	0	0	0	0
Northwestern U.	431	77	0	75	2	100	44	15	4	20	17	76	8	19	14	22	7	6	99	0	14	3	10	9	23	12	28
Rosalind Franklin U. of Medicine and Science	4	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rush U.	5	5	0	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Illinois U., Carbondale	170	31	2	23	6	20	6	4	1	6	3	42	5	7	4	19	3	4	16	1	0	0	5	0	0	1	9
Toyota Technological Institute, Chicago	2	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Chicago	401	67	0	67	0	85	26	5	3	18	33	102	19	31	12	18	12	10	1	0	0	0	0	0	0	0	1
U. Illinois, Chicago	299	96	0	59	37	65	20	11	2	21	11	34	1	5	1	16	3	8	50	0	7	1	6	2	1	10	23
U. Illinois, Urbana-Champaign	756	144	34	90	20	167	34	63	9	27	34	80	7	13	7	26	5	22	209	18	20	25	37	7	21	29	52
Indiana	1,456	271	39	183	49	291	89	60	18	60	64	178	13	20	25	75	19	26	348	31	34	27	82	13	11	58	92
Ball State U.	32	1	0	0	1	0	0	0	0	0	0	14	0	0	0	13	0	1	0	0	0	0	0	0	0	0	0
Indiana State U.	47	3	0	3	0	1	0	1	0	0	0	7	0	0	0	7	0	0	2	0	0	0	0	1	0	0	1
Indiana U., Bloomington	380	64	6	38	20	85	27	21	5	16	16	69	10	8	9	17	8	17	0	0	0	0	0	0	0	0	0
Indiana U.-Purdue U., Indianapolis	61	47	0	41	6	1	0	0	0	1	0	5	0	0	0	4	0	1	1	0	0	0	1	0	0	0	0
Purdue U., West Lafayette	731	127	31	75	21	153	47	27	9	34	36	53	3	10	7	22	5	6	291	22	24	24	67	12	11	48	83
U. Notre Dame	205	29	2	26	1	51	15	11	4	9	12	30	0	2	9	12	6	1	54	9	10	3	14	0	0	10	8
Iowa	733	205	24	136	45	141	44	17	7	55	18	70	3	14	5	29	10	9	129	0	14	11	18	8	13	24	41
Iowa State U.	349	85	22	56	7	87	22	14	3	38	10	27	0	9	0	13	4	1	92	0	12	7	15	4	13	17	24
Maharishi U. of Management	4	1	0	1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
St. Ambrose U.	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Iowa	361	119	2	79	38	54	22	3	4	17	8	41	3	5	5	14	6	8	37	0	2	4	3	4	0	7	17
U. Northern Iowa	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kansas	485	129	22	77	30	66	30	9	6	11	10	85	4	13	5	41	10	12	70	7	6	9	15	6	1	8	18
Kansas State U.	160	55	22	29	4	33	12	4	1	6	10	26	0	4	0	11	9	2	23	0	3	4	5	3	1	1	6
U. Kansas	293	73	0	47	26	28	15	5	5	3	0	53	4	9	5	24	1	10	27	5	3	5	2	0	0	2	10
Wichita State U.	32	1	0	1	0	5	3	0	0	2	0	6	0	0	0	6	0	0	20	2	0	0	8	3	0	5	2

TABLE 7. Doctorate-granting institutions, by state or location and major science and engineering fields of study: 2014

State or location and institution	All fields	Science																	Engineering								
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		Total	Agricultural sciences, natural resources	Biological, biomedical sciences	Health sciences	Total	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy	Total	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences	Total	Aerospace, aeronautical	Chemical	Civil	Electrical	Industrial	Materials	Mechanical	Other engineering
Kentucky	523	143	22	86	35	61	21	12	2	15	11	70	7	4	1	30	4	24	82	0	4	9	15	18	6	11	19
Asbury Theological Seminary	13	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0
Southern Baptist Theological Seminary	37	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Kentucky	319	104	22	54	28	50	16	9	2	13	10	50	5	4	1	21	3	16	37	0	1	4	6	0	6	7	13
U. Louisville	154	39	0	32	7	11	5	3	0	2	1	15	0	0	0	9	1	5	45	0	3	5	9	18	0	4	6
Louisiana	614	151	19	98	34	123	45	17	12	27	22	84	6	5	4	44	5	20	82	0	12	3	7	1	4	17	38
Grambling State U.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana State U., Baton Rouge	302	54	18	29	7	72	28	7	9	14	14	41	0	4	3	20	4	10	48	0	6	2	3	1	2	15	19
Louisiana State U., Health Sciences Center, New Orleans	24	23	0	19	4	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana State U., Medical Center, Shreveport	9	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana Tech U.	33	0	0	0	0	10	1	3	0	3	3	4	0	0	0	4	0	0	10	0	1	1	2	0	1	0	5
New Orleans Baptist Theological Seminary	18	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	8	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
Tulane U.	111	50	1	32	17	14	5	0	2	3	4	9	6	1	0	1	0	1	13	0	5	0	0	0	1	0	7
U. Louisiana, Lafayette	39	5	0	4	1	11	0	6	0	5	0	1	0	0	0	1	0	0	4	0	0	0	0	0	0	0	4
U. Louisiana, Monroe	16	7	0	3	4	1	1	0	0	0	0	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
U. New Orleans	52	3	0	2	1	14	10	1	1	1	1	10	0	0	1	5	1	3	7	0	0	0	2	0	0	2	3
Maine	76	29	6	23	0	11	4	3	2	0	2	14	0	1	1	8	0	4	8	0	1	0	2	0	0	2	3
U. Maine	74	29	6	23	0	11	4	3	2	0	2	12	0	1	1	8	0	2	8	0	1	0	2	0	0	2	3
U. Southern Maine	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
Maryland	1,289	407	20	289	98	229	36	72	15	38	68	186	8	33	20	55	11	59	244	11	22	15	56	0	14	47	79
Bowie State U.	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johns Hopkins U.	447	235	0	169	66	53	16	8	2	11	16	44	7	10	7	6	5	9	77	0	10	3	11	0	8	14	31
Loyola U., Maryland	8	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
Morgan State U.	37	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	1	4	0	0	0	6
Notre Dame of Maryland U.	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Towson U.	7	1	0	1	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Maryland, Baltimore	63	57	0	43	14	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
U. Maryland, Baltimore County	102	13	0	12	1	33	3	17	2	7	4	32	0	0	0	13	1	18	18	0	2	0	8	0	0	6	2
U. Maryland, College Park	583	77	15	52	10	135	16	40	11	20	48	97	1	23	13	25	5	30	138	11	10	11	33	0	6	27	40

TABLE 7. Doctorate-granting institutions, by state or location and major science and engineering fields of study: 2014

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		Total	Agricultural sciences, natural resources	Biological, biomedical sciences	Health sciences	Total	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy	Total	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences	Total	Aerospace, aeronautical	Chemical	Civil	Electrical	Industrial	Materials	Mechanical	Other engineering
U. Maryland, Eastern Shore	19	7	4	2	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Uniformed Services U. of the Health Sciences	17	13	1	10	2	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Massachusetts	2,820	667	27	555	85	536	140	92	55	86	163	425	30	114	49	125	25	82	569	33	51	15	91	6	48	83	242
Bentley U.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boston C.	119	13	0	9	4	13	10	0	0	0	3	23	0	9	2	9	3	0	0	0	0	0	0	0	0	0	0
Boston U.	420	115	0	102	13	58	15	7	4	10	22	56	1	20	4	23	4	4	52	0	0	0	11	0	4	7	30
Brandeis U.	95	20	0	18	2	20	6	1	0	6	7	29	8	1	6	5	4	5	0	0	0	0	0	0	0	0	0
Clark U.	23	0	0	0	0	4	3	1	0	0	0	14	0	5	0	6	0	3	0	0	0	0	0	0	0	0	0
Harvard U.	715	233	2	201	30	137	25	12	14	23	63	110	16	35	21	16	6	16	29	0	0	0	4	0	2	0	23
Massachusetts C. of Pharmacy and Health Sciences	2	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Massachusetts Institute of Technology	594	69	1	60	8	132	21	27	26	23	35	47	0	21	9	1	0	16	304	32	34	9	25	1	35	54	114
New England Conservatory	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northeastern U.	185	28	0	21	7	36	14	4	0	7	11	41	0	7	2	14	5	13	67	0	7	3	27	2	2	10	16
Simmons C.	10	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Smith C.	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Springfield C.	6	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Suffolk U.	22	0	0	0	0	0	0	0	0	0	0	22	0	4	0	18	0	0	0	0	0	0	0	0	0	0	0
Tufts U.	124	42	0	40	2	22	12	4	0	3	3	17	0	0	0	9	0	8	29	1	1	0	4	0	0	5	18
U. Massachusetts, Amherst	278	49	16	31	2	73	26	19	2	13	13	42	5	12	5	12	3	5	38	0	8	2	5	1	1	5	16
U. Massachusetts, Boston	46	11	4	5	2	9	4	3	2	0	0	23	0	0	0	12	0	11	0	0	0	0	0	0	0	0	0
U. Massachusetts, Dartmouth	23	8	4	2	2	7	0	0	7	0	0	0	0	0	0	0	0	0	7	0	0	0	2	0	0	0	5
U. Massachusetts, Lowell	60	17	0	10	7	20	4	12	0	0	4	0	0	0	0	0	0	0	20	0	0	0	6	0	0	1	13
U. Massachusetts, Medical School	54	54	0	53	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worcester Polytechnic Institute	31	3	0	3	0	5	0	2	0	1	2	0	0	0	0	0	0	0	23	0	1	1	7	2	4	1	7
Michigan	1,958	398	59	276	63	330	96	55	17	80	82	290	27	49	22	118	35	39	440	23	38	18	84	13	43	96	125
Andrews U.	31	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Calvin Theological Seminary	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Central Michigan U.	23	3	0	3	0	3	0	0	0	3	0	14	0	0	0	14	0	0	3	0	0	0	0	0	3	0	0
Eastern Michigan U.	13	0	0	0	0	1	0	1	0	0	0	4	0	0	0	4	0	0	3	0	0	0	0	0	0	0	3
Michigan State U.	543	135	47	75	13	86	30	14	4	17	21	91	8	17	3	30	8	25	70	0	9	5	19	0	8	14	15

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Michigan Technological U.	73	9	4	5	0	14	6	1	4	2	1	0	0	0	0	0	0	0	43	0	6	4	6	1	6	13	7
Oakland U.	58	3	0	3	0	8	1	5	0	2	0	1	0	0	0	0	1	0	16	0	0	0	5	1	0	4	6
U. Detroit Mercy	7	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
U. Michigan, Ann Arbor	851	186	6	143	37	149	34	23	9	39	44	109	15	26	11	29	16	12	253	23	17	6	43	7	23	53	81
U. Michigan, Dearborn	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	1
Van Andel Institute	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne State U.	236	50	2	39	9	49	19	8	0	9	13	41	4	4	4	19	9	1	45	0	5	3	10	4	3	9	11
Western Michigan U.	118	11	0	7	4	20	6	3	0	8	3	21	0	2	4	13	1	1	5	0	1	0	1	0	0	2	1
Minnesota	1,356	362	40	146	176	129	42	31	8	20	28	374	3	26	12	232	18	83	135	11	18	10	25	2	8	35	26
Luther Seminary	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mayo Clinic, Mayo Graduate School	23	19	0	19	0	1	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
U. Minnesota, Twin Cities	762	196	39	104	53	124	42	27	8	20	27	108	2	25	9	43	18	11	130	10	18	10	25	2	8	35	22
Walden U.	563	147	1	23	123	4	0	4	0	0	0	266	1	1	3	189	0	72	2	1	0	0	0	0	0	0	1
Mississippi	420	83	24	34	25	56	22	11	9	7	7	63	0	6	5	33	3	16	56	1	3	5	13	6	2	5	21
Jackson State U.	61	8	7	1	0	2	2	0	0	0	0	14	0	0	0	6	0	8	0	0	0	0	0	0	0	0	0
Mississippi State U.	138	30	16	11	3	29	11	6	4	3	5	9	0	2	0	2	3	2	42	1	3	4	9	6	0	5	14
U. Mississippi, Jackson, Medical Center	24	21	0	12	9	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	1
U. Mississippi, Oxford	93	18	0	7	11	14	6	1	2	3	2	16	0	3	4	8	0	1	10	0	0	1	4	0	1	0	4
U. Southern Mississippi	104	6	1	3	2	11	3	4	3	1	0	24	0	1	1	17	0	5	2	0	0	0	0	0	0	0	2
Missouri	892	225	17	166	42	148	54	21	25	22	26	149	10	25	17	78	8	11	123	4	12	6	31	1	6	13	50
Concordia Seminary	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Midwestern Baptist Theological Seminary	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri U. of Science and Technology	71	0	0	0	0	29	5	9	7	2	6	0	0	0	0	0	0	0	41	2	3	4	13	0	5	2	12
Saint Louis U.	132	35	3	19	13	14	8	0	4	2	0	22	0	0	0	20	0	2	3	1	0	0	0	0	0	1	1
U. Missouri, Columbia	301	64	13	43	8	50	14	7	5	15	9	49	4	5	6	21	8	5	36	0	2	2	11	1	1	7	12
U. Missouri, Kansas City	71	22	0	7	15	12	8	0	2	1	1	22	0	8	0	13	0	1	2	0	0	0	1	0	0	1	0
U. Missouri, Saint Louis	52	8	0	5	3	8	5	1	0	1	1	21	0	0	3	15	0	3	0	0	0	0	0	0	0	0	0
Washington U., Saint Louis	258	96	1	92	3	35	14	4	7	1	9	35	6	12	8	9	0	0	41	1	7	0	6	0	0	2	25
Montana	107	42	5	36	1	21	2	2	1	8	8	13	7	0	0	6	0	0	9	0	1	1	1	0	1	1	4
Montana State U., Bozeman	57	21	1	20	0	18	1	2	1	6	8	0	0	0	0	0	0	0	9	0	1	1	1	0	1	1	4
U. Montana, Missoula	50	21	4	16	1	3	1	0	0	2	0	13	7	0	0	6	0	0	0	0	0	0	0	0	0	0	0

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Nebraska	366	125	30	74	21	49	6	8	2	18	15	46	0	1	3	32	1	9	40	0	2	6	4	2	8	8	10
Creighton U.	8	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Nebraska, Medical Center	60	57	0	40	17	0	0	0	0	0	0	2	0	0	0	2	0	0	1	0	0	0	0	0	0	0	1
U. Nebraska, Omaha	17	0	0	0	0	3	0	3	0	0	0	10	0	0	0	6	0	4	0	0	0	0	0	0	0	0	0
U. Nebraska, Lincoln	281	60	30	26	4	46	6	5	2	18	15	34	0	1	3	24	1	5	39	0	2	6	4	2	8	8	9
Nevada	199	33	0	21	12	28	7	1	12	1	7	48	0	2	2	38	1	5	31	0	0	7	5	0	2	6	11
U. Nevada, Las Vegas	90	14	0	4	10	8	2	0	4	1	1	19	0	0	1	15	1	2	13	0	0	1	3	0	0	6	3
U. Nevada, Reno	109	19	0	17	2	20	5	1	8	0	6	29	0	2	1	23	0	3	18	0	0	6	2	0	2	0	8
New Hampshire	179	76	8	67	1	51	16	6	6	13	10	12	0	4	0	5	2	1	21	0	1	0	1	0	3	0	16
Antioch U., Keene	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartmouth C.	95	49	0	48	1	27	5	4	3	10	5	2	0	0	0	2	0	0	17	0	0	0	1	0	2	0	14
Southern New Hampshire U.	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
U. New Hampshire, Durham	75	24	5	19	0	24	11	2	3	3	5	9	0	4	0	3	2	0	4	0	1	0	0	0	1	0	2
New Jersey	1,154	196	23	149	24	253	54	50	25	63	61	203	10	24	25	59	26	59	182	4	33	8	30	7	15	19	66
Drew U.	18	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Fairleigh Dickinson U., Teaneck	17	0	0	0	0	0	0	0	0	0	0	17	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0
Montclair State U.	15	8	6	0	2	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Jersey Institute of Technology	58	1	0	1	0	22	2	9	0	7	4	2	0	0	0	0	0	2	32	0	7	0	3	2	3	4	13
Princeton Theological Seminary	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Princeton U.	389	38	1	37	0	100	18	17	9	25	31	66	4	19	15	10	9	9	63	2	19	0	15	0	3	5	19
Rutgers, State U. New Jersey, Camden	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Rutgers, State U. New Jersey, New Brunswick	425	70	16	51	3	98	25	17	13	27	16	78	5	5	9	19	14	26	62	2	6	7	8	5	7	7	20
Rutgers, State U. New Jersey, Newark	93	22	0	8	14	7	2	0	1	3	1	29	0	0	1	7	0	21	0	0	0	0	0	0	0	0	0
Seton Hall U.	22	5	0	0	5	4	4	0	0	0	0	6	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0
Stevens Institute of Technology	45	0	0	0	0	20	3	7	0	1	9	0	0	0	0	0	0	0	22	0	1	1	4	0	2	3	11
U. of Medicine and Dentistry of New Jersey	55	52	0	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
New Mexico	337	53	8	28	17	66	7	18	4	15	22	45	11	4	2	25	0	3	65	3	11	4	18	2	4	2	21
New Mexico Institute of Mining and Technology	4	0	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0
New Mexico State U., Las Cruces	109	18	8	7	3	16	3	5	0	3	5	15	0	0	0	15	0	0	20	2	3	1	8	2	1	0	3

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U. New Mexico, Albuquerque	224	35	0	21	14	48	4	12	3	12	17	30	11	4	2	10	0	3	43	1	8	3	10	0	1	2	18
New York	4,324	909	45	769	95	736	186	155	37	158	200	910	86	117	101	391	94	121	570	15	61	36	128	17	56	72	185
Adelphi U.	38	2	0	0	2	0	0	0	0	0	0	28	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0
Albany Medical C.	6	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfred U.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0
Binghamton U., SUNY	172	14	0	10	4	37	15	10	4	7	1	25	4	4	4	9	3	1	32	0	0	0	6	9	3	8	6
CUNY, City C.	20	0	0	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	18	0	4	5	3	0	0	2	4
Clarkson U.	34	3	1	2	0	14	5	2	1	5	1	0	0	0	0	0	0	0	17	1	4	1	1	1	1	3	5
Cold Spring Harbor Laboratory	11	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Columbia U. in the City of New York	545	107	1	87	19	96	17	15	7	27	30	86	12	27	18	9	10	10	85	0	10	6	14	0	3	10	42
Columbia U., Teachers C.	186	8	0	1	7	0	0	0	0	0	0	45	14	1	0	29	0	1	0	0	0	0	0	0	0	0	0
Cornell U.	508	123	32	91	0	116	31	13	3	25	44	74	6	17	11	12	11	17	109	3	9	5	24	0	11	20	37
Cornell U., Graduate School of Medical Sciences	73	73	0	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fordham U.	102	2	0	2	0	0	0	0	0	0	0	42	0	1	0	36	3	2	0	0	0	0	0	0	0	0	0
Graduate Center, CUNY	469	84	1	67	16	62	14	17	3	9	19	175	19	7	14	85	24	26	9	0	2	1	3	0	1	1	1
Hofstra U.	23	0	0	0	0	0	0	0	0	0	0	21	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0
Icahn School of Medicine at Mt. Sinai	46	46	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewish Theological Seminary of America	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juilliard School	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Island U., Brooklyn	9	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0
Long Island U., Brookville	5	0	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New School	79	0	0	0	0	0	0	0	0	0	0	66	5	10	9	27	8	7	0	0	0	0	0	0	0	0	0
New York Medical C.	7	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New York U.	479	72	1	56	15	84	17	19	0	32	16	87	6	17	16	26	13	9	37	0	2	4	18	0	1	4	8
Rensselaer Polytechnic U., Troy	135	7	0	7	0	37	8	6	1	7	15	5	0	0	0	4	0	1	76	6	11	3	14	1	9	13	19
Rochester Institute of Technology	29	0	0	0	0	13	0	6	1	0	6	0	0	0	0	0	0	0	16	0	0	0	4	0	0	0	12
Rockefeller U.	23	23	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. of Environmental Science and Forestry	30	16	8	8	0	4	2	0	2	0	0	2	0	0	0	0	0	2	8	0	2	0	0	0	0	0	6
SUNY, C. of Optometry	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Downstate Medical Center	10	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
SUNY, Upstate Medical U.	12	12	0	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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St. John's U., Queens	29	21	0	10	11	1	1	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Stony Brook U.	268	62	0	62	0	103	27	15	7	29	25	34	7	5	3	12	6	1	29	0	0	0	7	0	12	2	8
Syracuse U.	141	5	0	5	0	27	13	6	3	2	3	43	5	6	5	6	3	18	28	2	4	2	10	0	1	5	4
U. Albany, SUNY	180	24	0	21	3	23	5	6	2	6	4	60	5	6	8	21	8	12	13	0	0	0	2	0	7	0	4
U. Buffalo, SUNY	342	54	1	42	11	56	21	21	3	2	9	47	3	4	6	18	5	11	62	3	10	9	8	6	1	3	22
U. Rochester	226	65	0	59	6	55	10	13	0	7	25	39	0	12	7	17	0	3	27	0	3	0	14	0	4	1	5
Union Theological Seminary	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yeshiva U.	70	51	0	51	0	1	0	0	0	0	1	18	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0
North Carolina	1,695	504	56	366	82	319	77	68	19	88	67	204	8	43	18	75	23	37	300	7	19	14	65	12	27	41	115
Duke U.	338	95	1	92	2	70	12	14	6	18	20	53	4	18	5	11	9	6	70	0	0	4	23	0	3	7	33
East Carolina U.	43	18	0	10	8	5	0	0	2	0	3	9	0	0	0	8	0	1	0	0	0	0	0	0	0	0	0
North Carolina Agricultural and Technical State U.	47	7	2	5	0	2	0	1	1	0	0	4	1	0	0	0	0	3	21	0	0	0	6	4	0	5	6
North Carolina State U.	459	90	44	42	4	128	33	20	6	45	24	29	0	11	0	10	7	1	157	7	19	9	30	8	18	19	47
Southeastern Baptist Theological Seminary	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. North Carolina, Chapel Hill	535	215	8	158	49	84	29	19	4	22	10	80	3	13	13	32	7	12	19	0	0	0	0	0	3	0	16
U. North Carolina, Charlotte	102	14	0	9	5	20	0	13	0	3	4	14	0	0	0	5	0	9	27	0	0	1	6	0	3	10	7
U. North Carolina, Greensboro	102	19	0	5	14	4	3	1	0	0	0	14	0	1	0	8	0	5	1	0	0	0	0	0	0	0	1
U. North Carolina, Wilmington	5	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wake Forest U.	53	41	0	41	0	6	0	0	0	0	6	1	0	0	0	1	0	0	5	0	0	0	0	0	0	0	5
North Dakota	159	49	17	23	9	29	10	8	4	5	2	27	0	0	0	22	0	5	18	0	4	1	3	2	0	1	7
North Dakota State U.	102	41	17	18	6	23	8	8	1	5	1	8	0	0	0	4	0	4	12	0	0	1	3	2	0	1	5
U. North Dakota	57	8	0	5	3	6	2	0	3	0	1	19	0	0	0	18	0	1	6	0	4	0	0	0	0	0	2
Ohio	1,929	451	38	332	81	357	125	49	23	74	86	243	1	14	14	137	25	52	367	20	53	11	60	9	34	52	128
Air Force Institute of Technology	35	0	0	0	0	9	0	1	0	4	4	0	0	0	0	0	0	0	26	8	0	0	10	0	0	0	8
Bowling Green State U., Bowling Green	105	11	0	8	3	21	10	0	0	10	1	21	0	0	0	16	4	1	0	0	0	0	0	0	0	0	0
Case Western Reserve U.	195	68	0	56	12	34	15	4	0	5	10	10	1	0	0	8	1	0	54	2	9	1	3	0	5	5	29
Cleveland State U.	38	5	0	5	0	7	7	0	0	0	0	6	0	0	0	3	0	3	5	0	0	1	1	0	0	1	2
Hebrew Union C.-Jewish Institute of Religion, Cincinnati	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kent State U., Kent	144	25	0	19	6	30	3	4	6	6	11	29	0	0	4	22	2	1	0	0	0	0	0	0	0	0	0
Miami U., Oxford	61	15	0	14	1	14	10	0	4	0	0	17	0	0	1	12	0	4	0	0	0	0	0	0	0	0	0

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Ohio State U., Columbus	683	177	32	116	29	122	30	24	12	34	22	85	0	14	8	23	9	31	114	4	15	2	25	5	15	21	27
Ohio U., Chillicothe	125	20	0	16	4	30	7	2	0	5	16	13	0	0	0	13	0	0	11	0	8	0	1	1	0	1	0
U. Akron, Akron	114	5	0	5	0	27	19	0	0	0	8	22	0	0	0	15	5	2	48	0	15	4	2	0	2	3	22
U. Cincinnati, Uptown West Campus	248	70	0	51	19	38	13	9	1	8	7	28	0	0	1	14	4	9	61	6	5	2	8	3	4	13	20
U. Dayton	27	1	0	1	0	3	0	0	0	0	3	0	0	0	0	0	0	0	11	0	0	0	4	0	3	2	2
U. Toledo	110	44	3	34	7	17	10	1	0	2	4	4	0	0	0	3	0	1	19	0	1	1	5	0	3	3	6
Wright State U., Dayton	42	10	3	7	0	5	1	4	0	0	0	8	0	0	0	8	0	0	18	0	0	0	1	0	2	3	12
Oklahoma	517	102	28	60	14	88	16	16	20	23	13	80	3	6	4	55	4	8	83	1	10	8	19	6	1	11	27
Oklahoma State U., Center for Health Sciences	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oklahoma State U., Stillwater	243	46	27	17	2	36	9	5	0	13	9	33	0	5	0	22	3	3	38	1	3	5	7	6	0	4	12
U. Oklahoma, Norman	239	52	1	39	12	45	6	5	20	10	4	38	3	1	4	24	1	5	34	0	5	3	12	0	0	4	10
U. Tulsa	33	2	0	2	0	7	1	6	0	0	0	9	0	0	0	9	0	0	11	0	2	0	0	0	1	3	5
Oregon	439	124	22	77	25	91	32	22	22	7	8	64	1	8	6	29	3	17	64	0	5	7	16	6	3	3	24
Oregon Health and Science U.	46	38	1	29	8	3	0	3	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Oregon State U., Corvallis	196	61	19	31	11	50	13	12	18	2	5	8	0	2	0	4	0	2	54	0	5	6	16	6	3	3	15
Portland State U.	60	12	2	7	3	13	6	5	1	1	0	21	0	0	3	10	0	8	5	0	0	1	0	0	0	0	4
U. Oregon	137	13	0	10	3	25	13	2	3	4	3	35	1	6	3	15	3	7	0	0	0	0	0	0	0	0	0
Pennsylvania	2,594	627	28	470	129	489	109	174	31	96	79	319	16	61	31	115	32	64	449	3	44	22	70	9	52	66	183
Bryn Mawr C.	16	0	0	0	0	4	2	0	0	0	2	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Carnegie Mellon U.	281	19	1	18	0	105	7	71	2	15	10	17	0	6	0	7	0	4	110	0	12	5	25	0	15	10	43
Drexel U.	150	44	5	38	1	25	5	12	1	4	3	14	0	1	0	12	0	1	47	0	4	1	7	0	5	11	19
Duquesne U.	63	21	0	8	13	6	6	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
Indiana U. Pennsylvania	73	3	0	0	3	0	0	0	0	0	0	7	0	0	0	1	1	5	0	0	0	0	0	0	0	0	0
Lehigh U.	86	9	0	9	0	25	2	5	1	6	11	8	0	3	0	5	0	0	27	0	4	1	2	0	5	5	10
Lutheran Theological Seminary, Philadelphia	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marywood U.	11	1	0	0	1	0	0	0	0	0	0	6	0	0	0	5	0	1	0	0	0	0	0	0	0	0	0
Pennsylvania State U., U. Park and Hershey Medical Center	654	122	21	81	20	124	24	36	18	22	24	97	2	15	10	34	19	17	149	3	13	7	24	7	14	21	60
Temple U.	244	52	0	37	15	25	8	8	0	5	4	42	3	6	6	20	3	4	10	0	0	1	1	0	2	2	4
Thomas Jefferson U.	19	19	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Pennsylvania	452	149	0	137	12	93	29	17	2	31	14	64	2	22	7	7	6	20	32	0	5	0	4	0	4	4	15

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U. Pittsburgh, Pittsburgh	475	162	1	116	45	77	21	25	7	13	11	51	9	8	8	14	3	9	67	0	5	7	6	2	7	9	31
U. of the Sciences Philadelphia	13	8	0	7	1	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Villanova U.	20	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	1	0	1	0	0	4	1
Westminster Theological Seminary	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Widener U., Chester	28	12	0	0	12	0	0	0	0	0	0	4	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0
Puerto Rico	199	39	1	38	0	30	20	1	1	1	7	86	0	0	0	76	0	10	10	0	6	3	0	0	1	0	0
Carlos Albizu U., San Juan	31	0	0	0	0	0	0	0	0	0	0	31	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0
Inter American U. Puerto Rico, Mercedita	26	0	0	0	0	0	0	0	0	0	0	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0
Ponce School of Medicine and Health Sciences	6	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontifical Catholic U. Puerto Rico, Ponce	18	0	0	0	0	0	0	0	0	0	0	18	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Mayaguez	18	2	0	2	0	6	4	1	1	0	0	0	0	0	0	0	0	0	10	0	6	3	0	0	1	0	0
U. Puerto Rico, Medical Sciences Campus	21	21	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Rio Piedras	79	10	1	9	0	24	16	0	0	1	7	27	0	0	0	17	0	10	0	0	0	0	0	0	0	0	0
Rhode Island	333	80	7	62	11	94	23	13	17	28	13	53	5	8	10	20	9	1	36	0	2	0	2	1	3	4	24
Brown U.	227	46	0	44	2	72	16	9	12	23	12	37	5	7	10	6	9	0	22	0	1	0	0	0	3	1	17
Salve Regina U.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Rhode Island	103	34	7	18	9	22	7	4	5	5	1	16	0	1	0	14	0	1	14	0	1	0	2	1	0	3	7
South Carolina	540	124	11	78	35	86	34	13	8	22	9	56	2	10	8	18	2	16	144	0	24	21	25	7	8	20	39
Clemson U.	217	36	10	25	1	33	14	2	1	12	4	15	0	8	0	4	0	3	85	0	10	14	9	7	7	7	31
Medical U. South Carolina	41	39	0	28	11	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
U. South Carolina, Columbia	282	49	1	25	23	52	19	11	7	10	5	41	2	2	8	14	2	13	58	0	14	7	16	0	1	13	7
South Dakota	101	42	9	26	7	22	9	5	4	4	0	10	0	0	0	8	2	0	19	0	6	0	2	0	9	0	2
Dakota State U.	7	0	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota School of Mines and Technology	18	1	0	1	0	3	0	0	3	0	0	0	0	0	0	0	0	0	14	0	6	0	0	0	7	0	1
South Dakota State U.	47	33	9	17	7	9	4	0	1	4	0	2	0	0	0	0	2	0	3	0	0	0	2	0	1	0	0
U. South Dakota	29	8	0	8	0	5	5	0	0	0	0	8	0	0	0	8	0	0	2	0	0	0	0	0	1	0	1
Tennessee	892	224	13	173	38	103	37	12	10	16	28	119	8	21	12	61	9	8	174	6	21	15	34	3	14	16	65
East Tennessee State U.	24	20	0	11	9	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Meharry Medical C.	9	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 7. Doctorate-granting institutions, by state or location and major science and engineering fields of study: 2014

State or location and institution	All fields	Science																	Engineering								
		Life sciences				Physical sciences						Social sciences															
		Total	Agricultural sciences, natural resources	Biological, biomedical sciences	Health sciences	Total	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy	Total	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences	Total	Aerospace, aeronautical	Chemical	Civil	Electrical	Industrial	Materials	Mechanical	Other engineering
Mid-America Baptist Theological Seminary, Cordova	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Middle Tennessee State U.	32	2	0	0	2	0	0	0	0	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee State U.	28	7	2	5	0	1	0	1	0	0	0	12	0	0	0	11	0	1	3	1	0	0	0	0	0	0	2
Tennessee Technological U.	23	4	4	0	0	0	0	0	0	0	0	2	0	0	0	1	0	1	13	0	4	2	7	0	0	0	0
U. Memphis	124	7	0	5	2	13	3	4	2	4	0	28	0	2	0	24	0	2	8	0	0	1	1	0	0	1	5
U. Tennessee, Chattanooga	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
U. Tennessee, Health Science Center	28	28	0	21	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Tennessee, Knoxville	317	40	7	21	12	53	22	4	7	6	14	36	7	5	5	12	4	3	97	5	9	8	11	3	13	8	40
Vanderbilt U.	295	107	0	101	6	36	12	3	1	6	14	31	1	8	7	9	5	1	50	0	8	4	15	0	1	7	15
Texas	3,972	904	106	632	166	695	180	182	91	117	125	477	30	54	47	208	28	110	843	32	87	51	194	28	78	102	271
Baylor C. of Medicine	91	88	0	87	1	1	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Baylor U.	78	13	0	10	3	22	2	1	5	11	3	15	0	0	5	5	4	1	0	0	0	0	0	0	0	0	0
Brite Divinity S.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dallas Theological Seminary	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamar U.	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	6	1	3	4	0	0	0
Prairie View A&M U.	5	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
Rice U.	186	16	0	16	0	68	18	13	7	13	17	21	3	7	3	6	0	2	56	0	10	2	7	0	7	7	23
Sam Houston State U.	26	0	0	0	0	0	0	0	0	0	0	17	0	0	0	8	0	9	0	0	0	0	0	0	0	0	0
Southern Methodist U.	61	0	0	0	0	15	2	2	3	8	0	16	3	5	0	6	0	2	16	0	0	0	4	0	0	6	6
Southwestern Baptist Theological Seminary	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Mary's U., San Antonio	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Stephen F. Austin State U.	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U., College Station	714	160	57	91	12	132	40	23	29	21	19	58	3	9	10	20	3	13	240	16	22	14	40	7	19	36	86
Texas A&M U., Commerce	13	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U., Corpus Christi	20	3	0	3	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U., Kingsville	7	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Texas Christian U.	20	2	0	2	0	4	2	0	0	0	2	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
Texas Southern U.	37	13	2	7	4	0	0	0	0	0	0	6	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0
Texas State U.	51	6	0	5	1	1	0	0	1	0	0	17	0	0	0	0	0	17	2	0	0	0	0	0	2	0	0
Texas Tech U.	302	55	23	32	0	34	13	8	2	5	6	31	0	8	3	20	0	0	51	0	9	3	14	5	1	10	9
Texas Tech U., Health Sciences Center	16	16	0	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Woman's U.	82	38	0	3	35	0	0	0	0	0	0	19	0	0	0	15	3	1	0	0	0	0	0	0	0	0	0

TABLE 7. Doctorate-granting institutions, by state or location and major science and engineering fields of study: 2014

State or location and institution	All fields	Science																	Engineering								
		Life sciences				Physical sciences						Social sciences															
		Total	Agricultural sciences, natural resources	Biological, biomedical sciences	Health sciences	Total	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy	Total	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences	Total	Aerospace, aeronautical	Chemical	Civil	Electrical	Industrial	Materials	Mechanical	Other engineering
U. Dallas	4	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
U. Houston	235	31	0	21	10	71	14	18	11	17	11	41	0	9	7	24	0	1	45	0	10	3	12	3	2	5	10
U. North Texas, Denton	208	16	5	9	2	50	13	25	0	3	9	42	0	0	4	23	9	6	11	0	0	0	1	0	9	0	1
U. North Texas, Health Science Center	18	18	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas Health Science Center, Houston[a]	115	105	0	76	29	8	0	0	0	0	8	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas Health Science Center, San Antonio	46	40	0	38	2	5	0	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
U. Texas, Medical Branch	39	36	0	26	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas, Pan American	8	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas, Southwestern Medical Center	80	72	0	72	0	2	1	0	0	0	1	5	0	0	0	5	0	0	1	0	0	0	0	0	0	0	1
U. Texas, Arlington	218	20	2	7	11	48	14	19	2	9	4	11	0	0	0	6	0	5	81	6	0	4	25	9	10	7	20
U. Texas, Austin	850	108	3	74	31	129	33	25	23	22	26	117	17	12	11	43	9	25	241	9	30	19	49	0	14	27	93
U. Texas, Dallas	173	15	0	13	2	55	15	29	4	1	6	24	0	2	3	10	0	9	41	0	0	0	27	0	10	0	4
U. Texas, El Paso	97	18	6	5	7	17	6	4	2	3	2	7	0	0	0	7	0	0	24	1	0	5	3	0	4	2	9
U. Texas, San Antonio	95	4	0	4	0	29	6	13	1	3	6	13	4	1	0	1	0	7	16	0	0	0	9	0	0	2	5
U. of St. Thomas, Houston	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. of the Incarnate Word	15	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
West Texas A&M U.	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utah	508	128	11	88	29	108	32	29	18	15	14	78	5	8	1	50	5	9	96	1	12	14	16	0	5	14	34
Brigham Young U., Provo	83	15	2	11	2	24	13	7	0	3	1	23	0	0	0	23	0	0	13	0	5	1	2	0	0	4	1
U. Utah	313	83	0	58	25	64	14	19	14	8	9	37	5	6	1	15	4	6	61	0	7	6	10	0	5	6	27
Utah State U., Logan	112	30	9	19	2	20	5	3	4	4	4	18	0	2	0	12	1	3	22	1	0	7	4	0	0	4	6
Vermont	73	36	13	23	0	11	4	5	0	2	0	9	0	0	0	9	0	0	6	0	0	1	1	0	1	1	2
Middlebury C.	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Vermont	66	36	13	23	0	11	4	5	0	2	0	9	0	0	0	9	0	0	6	0	0	1	1	0	1	1	2
Virginia	1,557	284	38	181	65	234	46	66	29	40	53	260	13	30	16	108	10	83	339	19	22	16	59	9	16	40	158
C. of William and Mary	53	4	1	3	0	24	0	6	9	0	9	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
George Mason U.	240	34	5	16	13	53	4	27	5	11	6	81	1	11	3	17	1	48	16	0	0	1	3	0	0	0	12
Hampton U.	12	0	0	0	0	6	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
James Madison U.	5	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Norfolk State U.	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
Old Dominion U.	104	7	0	5	2	19	0	2	1	8	8	21	0	0	1	10	0	10	24	2	0	4	2	0	0	2	14

TABLE 7. Doctorate-granting institutions, by state or location and major science and engineering fields of study: 2014

State or location and institution	All fields	Science																	Engineering								
		Life sciences				Physical sciences						Social sciences															
		Total	Agricultural sciences, natural resources	Biological, biomedical sciences	Health sciences	Total	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy	Total	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences	Total	Aerospace, aeronautical	Chemical	Civil	Electrical	Industrial	Materials	Mechanical	Other engineering
Regent U.	75	0	0	0	0	0	0	0	0	0	0	11	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0
U. Virginia, Charlottesville	393	75	3	57	15	53	16	7	2	13	15	53	7	12	8	18	4	4	89	3	8	3	18	0	8	6	43
Union Presbyterian Seminary	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia Commonwealth U.	194	83	0	52	31	21	12	6	0	0	3	32	0	0	0	23	0	9	16	0	2	0	4	0	0	3	7
Virginia Polytechnic Institute and State U.	474	81	29	48	4	58	14	18	10	8	8	55	0	7	4	27	5	12	193	14	12	8	32	9	7	29	82
Washington	931	241	41	162	38	198	44	38	35	42	39	135	9	31	10	41	8	36	163	3	25	11	33	4	18	20	49
Gonzaga U.	13	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0
Seattle Pacific U.	21	0	0	0	0	0	0	0	0	0	0	11	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0
U. Washington, Seattle	649	174	13	133	28	164	32	34	32	37	29	72	6	16	8	16	6	20	107	3	18	5	25	4	11	13	28
Washington State U.	248	67	28	29	10	34	12	4	3	5	10	42	3	15	2	14	2	6	56	0	7	6	8	0	7	7	21
West Virginia	192	41	10	25	6	30	12	2	0	3	13	34	0	10	4	20	0	0	29	4	2	3	3	1	3	8	5
Marshall U.	10	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia U.	182	35	10	19	6	30	12	2	0	3	13	34	0	10	4	20	0	0	29	4	2	3	3	1	3	8	5
Wisconsin	1,110	300	34	204	62	185	52	27	12	32	62	162	10	34	21	56	18	23	168	0	16	8	29	12	16	30	57
Cardinal Stritch U.	30	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Marquette U.	66	12	0	7	5	5	4	0	0	0	1	12	0	0	0	12	0	0	11	0	0	0	5	0	0	3	3
Medical C. Wisconsin	43	40	0	39	1	3	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Wisconsin, Madison	784	206	33	141	32	158	42	23	11	28	54	104	8	23	13	31	18	11	126	0	16	6	18	9	14	18	45
U. Wisconsin, Milwaukee	187	41	1	17	23	19	6	4	1	3	5	45	2	11	8	13	0	11	31	0	0	2	6	3	2	9	9
Wyoming	103	21	3	18	0	27	9	1	4	6	7	11	0	5	0	6	0	0	30	1	5	2	4	0	2	4	12
U. Wyoming	103	21	3	18	0	27	9	1	4	6	7	11	0	5	0	6	0	0	30	1	5	2	4	0	2	4	12

[a] Most degrees reported in "biological/biomedical" fields of study for University of Texas, Health Science Center at Houston are awarded jointly with the M. D. Anderson Cancer Center through the U. of Texas Graduate School of Biomedical Sciences at Houston.

NOTE: See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 8. Doctorate-granting institutions, by state or location and major non-science and engineering fields of study: 2014

State or location and institution	All fields	Education						Humanities					Other non-S&E fields			
		Total	Education administration	Education research	Teacher education	Teaching fields	Other education	Total	Foreign languages and literature	History	Letters	Other humanities	Total	Business management and administration	Communication	Non-S&E fields not elsewhere classified
All institutions	54,070	4,793	895	2,558	153	919	268	5,486	676	1,182	1,553	2,075	3,203	1,583	664	956
Alabama	670	127	33	52	16	23	3	19	5	7	6	1	33	19	7	7
Alabama A&M U.	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alabama State U.	15	15	13	1	0	0	1	0	0	0	0	0	0	0	0	0
Auburn U., Auburn	251	50	8	20	9	12	1	7	0	3	3	1	3	2	0	1
Tuskegee U.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Alabama, Birmingham	175	19	8	5	3	3	0	0	0	0	0	0	1	1	0	0
U. Alabama, Huntsville	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Alabama, Tuscaloosa	167	38	4	22	4	8	0	12	5	4	3	0	29	16	7	6
U. South Alabama	22	5	0	4	0	0	1	0	0	0	0	0	0	0	0	0
Alaska	49	2	0	0	0	1	1	2	0	0	1	1	1	1	0	0
U. Alaska, Fairbanks	49	2	0	0	0	1	1	2	0	0	1	1	1	1	0	0
Arizona	891	98	0	56	2	33	7	99	7	21	27	44	50	24	11	15
Arizona State U.	427	46	0	27	1	17	1	52	0	11	7	34	28	10	6	12
Northern Arizona U.	26	5	0	5	0	0	0	1	0	1	0	0	0	0	0	0
Prescott C.	5	4	0	1	0	0	3	0	0	0	0	0	0	0	0	0
U. Arizona	433	43	0	23	1	16	3	46	7	9	20	10	22	14	5	3
Arkansas	211	19	0	15	0	4	0	11	0	6	4	1	20	16	4	0
Arkansas State U., Jonesboro	8	0	0	0	0	0	0	3	0	2	0	1	0	0	0	0
U. Arkansas for Medical Sciences	31	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
U. Arkansas, Fayetteville	125	16	0	15	0	1	0	8	0	4	4	0	16	16	0	0
U. Arkansas, Little Rock	47	3	0	0	0	3	0	0	0	0	0	0	3	0	3	0
California	6,200	317	64	149	5	44	55	693	81	157	163	292	206	114	34	58
Alliant International U., Fresno	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alliant International U., Los Angeles	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alliant International U., San Diego	41	1	1	0	0	0	0	0	0	0	0	0	2	2	0	0
Alliant International U., San Francisco	22	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Azusa Pacific U.	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
U. texas U.	33	23	2	16	1	0	4	0	0	0	0	0	3	0	0	3
California Institute of Integral Studies	41	1	0	1	0	0	0	18	0	0	0	18	1	0	0	1
California Institute of Technology	181	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chapman U.	10	10	0	3	0	0	7	0	0	0	0	0	0	0	0	0
City of Hope, Irell and Manella Graduate School of Biological Sciences	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Claremont Graduate U.	110	33	5	10	1	4	13	27	0	6	7	14	5	5	0	0
Claremont School of Theology	6	0	0	0	0	0	0	1	0	0	0	1	5	0	0	5
Fielding Graduate U.	126	8	6	1	0	0	1	1	0	0	1	0	31	31	0	0
Frederick S. Pardee RAND Graduate School	21	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Fuller Theological Seminary	48	0	0	0	0	0	0	16	0	2	0	14	6	0	0	6
Graduate Theological Union	14	0	0	0	0	0	0	12	0	1	0	11	2	0	0	2
Keck Graduate Institute	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
La Sierra U.	5	5	4	1	0	0	0	0	0	0	0	0	0	0	0	0
Loma Linda U.	40	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Palo Alto U.	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Diego State U., San Diego	12	4	0	3	0	0	1	0	0	0	0	0	0	0	0	0
Santa Clara U.	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 8. Doctorate-granting institutions, by state or location and major non-science and engineering fields of study: 2014

State or location and institution	All fields	Education						Humanities					Other non-S&E fields			
		Total	Education administration	Education research	Teacher education	Teaching fields	Other education	Total	Foreign languages and literature	History	Letters	Other humanities	Total	Business management and administration	Communication	Non-S&E fields not elsewhere classified
Saybrook U.	48	0	0	0	0	0	0	0	0	0	0	0	8	8	0	0
Scripps Research Institute	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stanford U.	729	27	1	12	0	7	7	73	11	12	19	31	21	14	2	5
U. California, Berkeley	915	38	1	22	0	10	5	117	23	35	27	32	23	12	0	11
U. California, Davis	489	15	0	8	2	4	1	52	10	7	14	21	0	0	0	0
U. California, Irvine	414	6	2	3	0	1	0	48	6	16	16	10	11	10	0	1
U. California, Los Angeles	757	35	6	22	0	2	5	106	19	25	15	47	18	8	2	8
U. California, Merced	41	0	0	0	0	0	0	4	0	1	1	2	0	0	0	0
U. California, Riverside	264	9	0	8	0	1	0	34	2	8	13	11	0	0	0	0
U. California, San Diego	481	22	16	3	0	3	0	41	1	10	11	19	7	0	7	0
U. California, San Francisco	136	2	0	0	0	1	1	1	0	1	0	0	0	0	0	0
U. California, Santa Barbara	353	23	3	9	1	5	5	72	7	17	15	33	10	0	10	0
U. California, Santa Cruz	175	5	0	2	0	3	0	23	0	7	11	5	1	1	0	0
U. San Diego	37	12	10	0	0	1	1	1	0	0	0	1	2	2	0	0
U. San Francisco	34	30	7	17	0	2	4	0	0	0	0	0	3	2	0	1
U. Southern California	431	4	0	4	0	0	0	44	2	9	13	20	45	18	13	14
U. of the Pacific	10	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
U. of the West	2	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0
Colorado	943	104	35	47	0	18	4	47	3	7	10	27	35	13	15	7
Colorado School of Mines	96	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Colorado State U., Fort Collins	230	34	23	6	0	5	0	0	0	0	0	0	8	5	2	1
U. Colorado, Boulder	380	11	0	7	0	1	3	41	3	7	6	25	16	7	9	0
U. Colorado, Colorado Springs	18	8	6	2	0	0	0	0	0	0	0	0	0	0	0	0
U. Colorado, Denver	32	3	3	0	0	0	0	0	0	0	0	0	3	1	0	2
U. Colorado, Denver, and Health Sciences Center	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Denver	32	8	1	7	0	0	0	6	0	0	4	2	7	0	4	3
U. Northern Colorado	72	39	2	24	0	12	1	0	0	0	0	0	1	0	0	1
Connecticut	733	16	0	14	0	2	0	118	26	33	24	35	35	18	3	14
U. Bridgeport	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Connecticut, Storrs	311	15	0	14	0	1	0	15	0	2	8	5	17	12	3	2
U. Hartford	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Wesleyan U.	14	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Yale U.	403	0	0	0	0	0	0	102	26	31	16	29	18	6	0	12
Delaware	195	7	0	2	0	2	3	14	0	5	3	6	0	0	0	0
Delaware State U.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Delaware	194	7	0	2	0	2	3	14	0	5	3	6	0	0	0	0
District of Columbia	596	53	21	28	1	1	2	93	8	37	15	33	64	26	12	26
American U.	52	0	0	0	0	0	0	7	0	6	0	1	6	0	1	5
Catholic U. of America	69	1	0	1	0	0	0	32	4	4	6	18	6	0	0	6
Gallaudet U.	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
George Washington U.	233	52	21	27	1	1	2	18	0	8	5	5	29	26	1	2
Georgetown U.	127	0	0	0	0	0	0	28	4	14	1	9	7	0	0	7
Howard U.	105	0	0	0	0	0	0	8	0	5	3	0	16	0	10	6
Florida	2,275	271	36	156	3	62	14	173	14	36	47	76	148	71	31	46
Barry U.	19	12	6	5	0	1	0	0	0	0	0	0	2	1	0	1

TABLE 8. Doctorate-granting institutions, by state or location and major non-science and engineering fields of study: 2014

State or location and institution	All fields	Education						Humanities					Other non-S&E fields			
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Florida A&M U.	21	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0
Florida Atlantic U.	104	36	19	12	2	1	2	5	0	0	4	1	13	9	0	4
Florida Institute of Technology	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida International U.	143	2	0	2	0	0	0	7	2	5	0	0	11	9	0	2
Florida State U.	366	42	3	18	1	19	1	65	3	14	23	25	49	19	9	21
Lynn U.	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Nova Southeastern U.	130	13	0	12	0	0	1	3	0	0	0	3	6	6	0	0
U. Central Florida	223	34	0	18	0	8	8	1	0	0	1	0	14	9	1	4
U. Florida	763	52	2	38	0	12	0	50	5	15	13	17	26	4	12	10
U. Miami	157	9	0	3	0	6	0	28	4	2	1	21	4	3	1	0
U. South Florida, Tampa	285	46	2	30	0	13	1	14	0	0	5	9	23	11	8	4
U. West Florida	21	20	1	17	0	2	0	0	0	0	0	0	0	0	0	0
Georgia	1,454	127	7	74	12	31	3	127	14	26	36	51	70	32	15	23
Clark Atlanta U.	20	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6
Emory U.	248	5	0	3	0	2	0	71	8	14	9	40	7	6	0	1
Georgia Institute of Technology	551	0	0	0	0	0	0	1	0	1	0	0	10	6	1	3
Georgia Regents U.	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia Southern U.	3	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0
Georgia State U.	167	45	1	27	5	12	0	20	0	5	13	2	14	11	3	0
Mercer U.	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morehouse School of Medicine	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Georgia	421	77	6	44	7	17	3	35	6	6	14	9	30	6	11	13
Hawaii	196	30	4	19	0	3	4	30	6	9	8	7	8	5	1	2
U. Hawaii, Manoa	196	30	4	19	0	3	4	30	6	9	8	7	8	5	1	2
Idaho	133	25	6	15	0	4	0	4	1	0	3	0	1	0	0	1
Boise State U.	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Idaho State U.	28	11	1	9	0	1	0	4	1	0	3	0	0	0	0	0
U. Idaho	87	14	5	6	0	3	0	0	0	0	0	0	1	0	0	1
Illinois	2,392	129	9	81	2	33	4	318	38	74	89	117	186	87	38	61
Benedictine U.	23	1	1	0	0	0	0	2	0	0	0	2	20	20	0	0
Chicago Theological Seminary	3	0	0	0	0	0	0	2	0	0	0	2	1	0	0	1
DePaul U.	19	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0
Garrett-Evangelical Theological Seminary	9	2	0	0	0	2	0	1	0	0	0	1	6	0	0	6
Illinois Institute of Technology	76	2	0	0	0	2	0	0	0	0	0	0	11	7	2	2
Illinois State U.	42	13	5	1	0	7	0	13	0	0	13	0	0	0	0	0
Institute for Clinical Social Work, Chicago	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5
Loyola U., Chicago	84	8	0	8	0	0	0	17	0	6	1	10	10	0	0	10
Lutheran School of Theology, Chicago	8	0	0	0	0	0	0	8	0	0	0	8	0	0	0	0
National Louis U.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northern Illinois U.	53	4	0	1	0	3	0	9	0	1	8	0	0	0	0	0
Northwestern U.	431	8	0	5	0	3	0	41	4	10	9	18	30	19	10	1
Rosalind Franklin U. of Medicine and Science	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rush U.	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Illinois U., Carbondale	170	22	1	12	0	7	2	15	0	1	8	6	24	10	14	0
Toyota Technological Institute, Chicago	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Chicago	401	1	0	0	0	0	1	122	22	36	17	47	23	11	0	12

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U. Illinois, Chicago	299	19	1	15	1	1	1	24	4	6	10	4	11	6	0	5
U. Illinois, Urbana-Champaign	756	49	1	39	1	8	0	62	8	14	23	17	45	14	12	19
Indiana	1,456	122	29	65	2	21	5	176	25	36	68	47	70	29	24	17
Ball State U.	32	11	0	7	2	1	1	6	0	0	6	0	0	0	0	0
Indiana State U.	47	27	19	8	0	0	0	0	0	0	0	0	7	6	0	1
Indiana U., Bloomington	380	53	0	37	0	14	2	85	17	16	29	23	24	9	11	4
Indiana U.-Purdue U., Indianapolis	61	1	0	0	0	0	1	1	0	0	0	1	5	1	0	4
Purdue U., West Lafayette	731	30	10	13	0	6	1	51	6	12	26	7	26	13	13	0
U. Notre Dame	205	0	0	0	0	0	0	33	2	8	7	16	8	0	0	8
Iowa	733	87	22	37	0	23	5	55	4	13	14	24	46	27	13	6
Iowa State U.	349	36	11	13	0	8	4	4	0	2	2	0	18	15	1	2
Maharishi U. of Management	4	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
St. Ambrose U.	5	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0
U. Iowa	361	39	3	22	0	14	0	50	4	11	12	23	21	7	12	2
U. Northern Iowa	14	12	8	2	0	1	1	0	0	0	0	0	2	0	0	2
Kansas	485	46	3	32	3	7	1	45	8	7	16	14	44	18	10	16
Kansas State U.	160	11	1	4	2	3	1	4	0	3	0	1	8	4	0	4
U. Kansas	293	35	2	28	1	4	0	41	8	4	16	13	36	14	10	12
Wichita State U.	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	523	44	4	32	1	5	2	74	8	14	16	36	49	11	10	28
Asbury Theological Seminary	13	0	0	0	0	0	0	6	0	1	0	5	3	0	0	3
Southern Baptist Theological Seminary	37	0	0	0	0	0	0	22	0	1	0	21	14	0	0	14
U. Kentucky	319	26	2	20	0	3	1	31	7	12	8	4	21	7	10	4
U. Louisville	154	18	2	12	1	2	1	15	1	0	8	6	11	4	0	7
Louisiana	614	56	11	29	1	8	7	57	11	9	23	14	61	29	18	14
Grambling State U.	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana State U., Baton Rouge	302	40	6	19	1	7	7	17	3	3	8	3	30	11	17	2
Louisiana State U., Health Sciences Center, New Orleans	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana State U., Medical Center, Shreveport	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana Tech U.	33	0	0	0	0	0	0	0	0	0	0	0	9	9	0	0
New Orleans Baptist Theological Seminary	18	0	0	0	0	0	0	6	0	0	0	6	7	0	0	7
Southern U. and A&M C., Baton Rouge	8	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Tulane U.	111	0	0	0	0	0	0	17	3	6	3	5	8	2	1	5
U. Louisiana, Lafayette	39	1	0	1	0	0	0	17	5	0	12	0	0	0	0	0
U. Louisiana, Monroe	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. New Orleans	52	11	3	8	0	0	0	0	0	0	0	0	7	7	0	0
Maine	76	7	0	7	0	0	0	3	0	3	0	0	4	0	4	0
U. Maine	74	7	0	7	0	0	0	3	0	3	0	0	4	0	4	0
U. Southern Maine	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	1,289	66	9	43	0	13	1	101	19	26	27	29	56	29	12	15
Bowie State U.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johns Hopkins U.	447	1	0	0	0	0	1	37	7	15	4	11	0	0	0	0
Loyola U., Maryland	8	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0

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Morgan State U.	37	3	0	3	0	0	0	7	0	4	3	0	12	5	0	7
Notre Dame of Maryland U.	5	5	2	1	0	2	0	0	0	0	0	0	0	0	0	0
Towson U.	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Maryland, Baltimore	63	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
U. Maryland, Baltimore County	102	2	0	1	0	1	0	4	2	0	0	2	0	0	0	0
U. Maryland, College Park	583	53	6	37	0	10	0	53	10	7	20	16	30	14	12	4
U. Maryland, Eastern Shore	19	1	1	0	0	0	0	0	0	0	0	0	10	10	0	0
Uniformed Services U. of the Health Sciences	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Massachusetts	2,820	158	18	64	4	58	14	322	29	82	67	144	143	56	23	64
Bentley U.	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Boston C.	119	27	3	20	1	3	0	16	0	5	3	8	27	9	0	18
Boston U.	420	53	1	6	1	42	3	73	4	3	5	61	13	6	0	7
Brandeis U.	95	0	0	0	0	0	0	23	0	8	7	8	3	2	0	1
Clark U.	23	0	0	0	0	0	0	5	0	5	0	0	0	0	0	0
Harvard U.	715	39	11	18	1	2	7	141	21	51	21	48	26	12	0	14
Massachusetts C. of Pharmacy and Health Sciences	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Massachusetts Institute of Technology	594	0	0	0	0	0	0	10	0	5	0	5	32	14	14	4
New England Conservatory	3	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0
Northeastern U.	185	0	0	0	0	0	0	11	0	2	8	1	2	1	0	1
Simmons C.	10	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9
Smith C.	9	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9
Springfield C.	6	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Suffolk U.	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tufts U.	124	2	0	0	0	2	0	11	0	0	8	3	1	1	0	0
U. Massachusetts, Amherst	278	28	1	16	1	6	4	28	3	3	15	7	20	10	9	1
U. Massachusetts, Boston	46	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Dartmouth	23	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
U. Massachusetts, Lowell	60	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0
U. Massachusetts, Medical School	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worcester Polytechnic Institute	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Michigan	1,958	234	66	114	14	37	3	156	21	30	49	56	110	48	31	31
Andrews U.	31	21	16	2	1	0	2	3	0	0	0	3	5	3	0	2
Calvin Theological Seminary	2	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1
Central Michigan U.	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastern Michigan U.	13	5	0	2	0	2	1	0	0	0	0	0	0	0	0	0
Michigan State U.	543	83	8	56	6	13	0	35	6	8	7	14	43	20	17	6
Michigan Technological U.	73	0	0	0	0	0	0	5	0	0	4	1	2	0	2	0
Oakland U.	58	28	16	2	4	6	0	2	0	1	0	1	0	0	0	0
U. Detroit Mercy	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Michigan, Ann Arbor	851	26	0	16	3	7	0	81	11	20	21	29	47	23	8	16
U. Michigan, Dearborn	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Van Andel Institute	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne State U.	236	27	1	25	0	1	0	17	3	0	8	6	7	2	4	1
Western Michigan U.	118	44	25	11	0	8	0	12	1	1	9	1	5	0	0	5

TABLE 8. Doctorate-granting institutions, by state or location and major non-science and engineering fields of study: 2014

State or location and institution	All fields	Education						Humanities					Other non-S&E fields			
		Total	Education administration	Education research	Teacher education	Teaching fields	Other education	Total	Foreign languages and literature	History	Letters	Other humanities	Total	Business management and administration	Communication	Non-S&E fields not elsewhere classified
Minnesota	1,356	137	20	85	5	15	12	71	11	17	21	22	148	85	10	53
Luther Seminary	8	0	0	0	0	0	0	2	0	1	0	1	6	0	0	6
Mayo Clinic, Mayo Graduate School	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Minnesota, Twin Cities	762	75	10	51	1	7	6	69	11	16	21	21	60	30	10	20
Walden U.	563	62	10	34	4	8	6	0	0	0	0	0	82	55	0	27
Mississippi	420	110	59	33	5	9	4	16	0	6	10	0	36	24	8	4
Jackson State U.	61	31	25	4	0	0	2	0	0	0	0	0	6	4	0	2
Mississippi State U.	138	19	9	7	0	1	2	2	0	2	0	0	7	5	0	2
U. Mississippi, Jackson, Medical Center	24	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
U. Mississippi, Oxford	93	20	2	13	2	3	0	7	0	3	4	0	8	8	0	0
U. Southern Mississippi	104	39	23	9	3	4	0	7	0	1	6	0	15	7	8	0
Missouri	892	88	10	57	2	19	0	97	13	14	37	33	62	29	11	22
Concordia Seminary	6	0	0	0	0	0	0	5	0	1	0	4	1	0	0	1
Midwestern Baptist Theological Seminary	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Missouri U. of Science and Technology	71	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Saint Louis U.	132	28	2	22	1	3	0	23	0	3	10	10	7	5	0	2
U. Missouri, Columbia	301	40	2	24	1	13	0	32	2	4	17	9	30	12	11	7
U. Missouri, Kansas City	71	6	3	3	0	0	0	3	0	2	1	0	4	2	0	2
U. Missouri, Saint Louis	52	13	3	7	0	3	0	1	0	0	0	1	1	1	0	0
Washington U., Saint Louis	258	1	0	1	0	0	0	32	11	4	9	8	18	8	0	10
Montana	107	21	8	9	0	2	2	1	0	0	0	1	0	0	0	0
Montana State U., Bozeman	57	8	1	4	0	2	1	1	0	0	0	1	0	0	0	0
U. Montana, Missoula	50	13	7	5	0	0	1	0	0	0	0	0	0	0	0	0
Nebraska	366	47	15	23	1	7	1	34	3	7	23	1	25	11	7	7
Creighton U.	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Nebraska, Medical Center	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Nebraska, Omaha	17	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
U. Nebraska, Lincoln	281	47	15	23	1	7	1	34	3	7	23	1	21	11	7	3
Nevada	199	36	5	24	0	7	0	15	1	1	12	1	8	2	0	6
U. Nevada, Las Vegas	90	25	1	18	0	6	0	6	0	1	5	0	5	2	0	3
U. Nevada, Reno	109	11	4	6	0	1	0	9	1	0	7	1	3	0	0	3
New Hampshire	179	9	1	1	1	4	2	5	0	4	1	0	5	5	0	0
Antioch U., Keene	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dartmouth C.	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern New Hampshire U.	6	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0
U. New Hampshire, Durham	75	9	1	1	1	4	2	5	0	4	1	0	0	0	0	0
New Jersey	1,154	55	18	22	2	9	4	188	19	46	40	83	77	38	11	28
Drew U.	18	0	0	0	0	0	0	14	0	2	5	7	1	0	0	1
Fairleigh Dickinson U., Teaneck	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montclair State U.	15	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0
New Jersey Institute of Technology	58	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Princeton Theological Seminary	14	0	0	0	0	0	0	8	0	0	0	8	6	0	0	6
Princeton U.	389	0	0	0	0	0	0	109	11	29	22	47	13	4	0	9
Rutgers, State U. New Jersey, Camden	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0

TABLE 8. Doctorate-granting institutions, by state or location and major non-science and engineering fields of study: 2014

State or location and institution	All fields	Education						Humanities					Other non-S&E fields			
		Total	Education administration	Education research	Teacher education	Teaching fields	Other education	Total	Foreign languages and literature	History	Letters	Other humanities	Total	Business management and administration	Communication	Non-S&E fields not elsewhere classified
Rutgers, State U. New Jersey, New Brunswick	425	39	16	10	1	9	3	55	8	15	13	19	23	5	11	7
Rutgers, State U. New Jersey, Newark	93	3	1	1	1	0	0	2	0	0	0	2	30	26	0	4
Seton Hall U.	22	7	1	6	0	0	0	0	0	0	0	0	0	0	0	0
Stevens Institute of Technology	45	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0
U. of Medicine and Dentistry of New Jersey	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Mexico	337	56	9	32	1	12	2	29	3	8	8	10	23	11	9	3
New Mexico Institute of Mining and Technology	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Mexico State U., Las Cruces	109	29	8	18	1	2	0	1	0	0	1	0	10	9	1	0
U. New Mexico, Albuquerque	224	27	1	14	0	10	2	28	3	8	7	10	13	2	8	3
New York	4,324	310	34	147	12	94	23	681	99	134	171	277	208	97	28	83
Adelphi U.	38	0	0	0	0	0	0	0	0	0	0	0	8	0	0	8
Albany Medical C.	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfred U.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Binghamton U., SUNY	172	10	0	4	0	3	3	48	1	13	21	13	6	6	0	0
CUNY, City C.	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clarkson U.	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold Spring Harbor Laboratory	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Columbia U. in the City of New York	545	0	0	0	0	0	0	135	28	38	28	41	36	19	3	14
Columbia U., Teachers C.	186	129	15	52	8	47	7	2	0	0	0	2	2	2	0	0
Cornell U.	508	5	0	2	0	0	3	56	16	11	18	11	25	16	4	5
Cornell U., Graduate School of Medical Sciences	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fordham U.	102	16	3	12	0	1	0	27	0	3	14	10	15	0	0	15
Graduate Center, CUNY	469	19	7	8	0	4	0	103	13	14	26	50	17	12	0	5
Hofstra U.	23	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Icahn School of Medicine at Mt. Sinai	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jewish Theological Seminary of America	4	0	0	0	0	0	0	4	0	1	0	3	0	0	0	0
Juilliard School	3	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0
Long Island U., Brooklyn	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Island U., Brookville	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New School	79	0	0	0	0	0	0	13	0	0	0	13	0	0	0	0
New York Medical C.	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New York U.	479	36	2	19	0	12	3	127	31	22	14	60	36	17	5	14
Rensselaer Polytechnic U., Troy	135	0	0	0	0	0	0	2	0	0	0	2	8	4	2	2
Rochester Institute of Technology	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rockefeller U.	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. of Environmental Science and Forestry	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, C. of Optometry	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Downstate Medical Center	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY, Upstate Medical U.	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. John's U., Queens	29	3	0	0	0	2	1	0	0	0	0	0	0	0	0	0
Stony Brook U.	268	0	0	0	0	0	0	33	2	9	8	14	7	4	0	3
Syracuse U.	141	19	1	9	1	7	1	15	0	1	7	7	4	2	2	0
U. Albany, SUNY	180	22	2	18	1	1	0	26	5	10	3	8	12	1	2	9
U. Buffalo, SUNY	342	41	4	19	2	14	2	56	3	5	25	23	26	11	10	5

TABLE 8. Doctorate-granting institutions, by state or location and major non-science and engineering fields of study: 2014

State or location and institution	All fields	Education						Humanities					Other non-S&E fields			
		Total	Education administration	Education research	Teacher education	Teaching fields	Other education	Total	Foreign languages and literature	History	Letters	Other humanities	Total	Business management and administration	Communication	Non-S&E fields not elsewhere classified
U. Rochester	226	8	0	3	0	2	3	29	0	7	7	15	3	3	0	0
Union Theological Seminary	5	0	0	0	0	0	0	2	0	0	0	2	3	0	0	3
Yeshiva U.	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Carolina	1,695	135	16	78	5	25	11	137	16	31	38	52	96	45	19	32
Duke U.	338	0	0	0	0	0	0	35	2	4	9	20	15	11	0	4
East Carolina U.	43	2	0	1	0	1	0	6	0	0	6	0	3	1	2	0
North Carolina Agricultural and Technical State U.	47	11	10	1	0	0	0	0	0	0	0	0	2	2	0	0
North Carolina State U.	459	28	1	18	0	9	0	7	0	1	4	2	20	5	2	13
Southeastern Baptist Theological Seminary	11	0	0	0	0	0	0	8	0	1	0	7	3	0	0	3
U. North Carolina, Chapel Hill	535	25	0	10	3	4	8	74	14	23	14	23	38	13	14	11
U. North Carolina, Charlotte	102	16	1	14	0	1	0	0	0	0	0	0	11	10	1	0
U. North Carolina, Greensboro	102	53	4	34	2	10	3	7	0	2	5	0	4	3	0	1
U. North Carolina, Wilmington	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wake Forest U.	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Dakota	159	31	4	15	6	3	3	1	0	1	0	0	4	0	4	0
North Dakota State U.	102	14	1	7	3	1	2	1	0	1	0	0	3	0	3	0
U. North Dakota	57	17	3	8	3	2	1	0	0	0	0	0	1	0	1	0
Ohio	1,929	214	28	127	4	44	11	182	22	32	66	62	115	52	38	25
Air Force Institute of Technology	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bowling Green State U., Bowling Green	105	18	10	8	0	0	0	26	0	3	7	16	8	0	8	0
Case Western Reserve U.	195	2	0	1	0	1	0	8	0	2	2	4	19	14	0	5
Cleveland State U.	38	10	4	4	0	0	2	0	0	0	0	0	5	5	0	0
Hebrew Union C.-Jewish Institute of Religion, Cincinnati	2	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0
Kent State U., Kent	144	32	1	26	2	3	0	18	2	2	8	6	10	7	3	0
Miami U., Oxford	61	8	3	4	0	1	0	7	0	0	7	0	0	0	0	0
Ohio State U., Columbus	683	66	3	27	1	28	7	81	16	17	21	27	38	13	12	13
Ohio U., Chillicothe	125	26	1	23	0	2	0	11	0	2	6	3	14	0	14	0
U. Akron, Akron	114	5	0	4	0	1	0	2	0	2	0	0	5	2	0	3
U. Cincinnati, Uptown West Campus	248	20	1	11	1	5	2	23	4	3	15	1	8	7	1	0
U. Dayton	27	5	4	1	0	0	0	3	0	0	0	3	4	0	0	4
U. Toledo	110	21	1	18	0	2	0	1	0	1	0	0	4	4	0	0
Wright State U., Dayton	42	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Oklahoma	517	81	19	39	5	17	1	41	0	16	12	13	42	26	8	8
Oklahoma State U., Center for Health Sciences	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oklahoma State U., Stillwater	243	52	7	30	3	11	1	12	0	6	6	0	26	18	0	8
U. Oklahoma, Norman	239	29	12	9	2	6	0	25	0	10	2	13	16	8	8	0
U. Tulsa	33	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0
Oregon	439	31	5	19	1	5	1	39	5	6	14	14	26	10	7	9
Oregon Health and Science U.	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oregon State U., Corvallis	196	17	3	10	1	2	1	1	0	1	0	0	5	0	0	5
Portland State U.	60	3	0	1	0	2	0	0	0	0	0	0	6	3	0	3
U. Oregon	137	11	2	8	0	1	0	38	5	5	14	14	15	7	7	1

TABLE 8. Doctorate-granting institutions, by state or location and major non-science and engineering fields of study: 2014

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Pennsylvania	2,594	206	24	107	6	54	15	300	36	41	117	106	204	101	63	40
Bryn Mawr C.	16	0	0	0	0	0	0	7	1	0	1	5	1	0	0	1
Carnegie Mellon U.	281	4	0	0	0	4	0	10	0	3	6	1	16	13	0	3
Drexel U.	150	2	1	1	0	0	0	0	0	0	0	0	18	14	4	0
Duquesne U.	63	4	0	4	0	0	0	20	0	0	9	11	7	0	1	6
Indiana U. Pennsylvania	73	6	0	0	0	6	0	43	1	0	41	1	14	2	12	0
Lehigh U.	86	8	0	8	0	0	0	8	0	1	5	2	1	1	0	0
Lutheran Theological Seminary, Philadelphia	4	0	0	0	0	0	0	2	0	0	0	2	2	0	0	2
Marywood U.	11	3	1	2	0	0	0	0	0	0	0	0	1	0	0	1
Pennsylvania State U., U. Park and Hershey Medical Center	654	74	8	43	3	11	9	39	12	8	11	8	49	24	18	7
Temple U.	244	43	13	16	1	12	1	37	3	6	9	19	35	26	9	0
Thomas Jefferson U.	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Pennsylvania	452	20	0	14	0	5	1	63	8	19	22	14	31	14	11	6
U. Pittsburgh, Pittsburgh	475	32	1	19	2	7	3	60	11	4	13	32	26	7	8	11
U. of the Sciences Philadelphia	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Villanova U.	20	1	0	0	0	1	0	6	0	0	0	6	0	0	0	0
Westminster Theological Seminary	5	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0
Widener U., Chester	28	9	0	0	0	8	1	0	0	0	0	0	3	0	0	3
Puerto Rico	199	1	0	0	0	0	1	12	0	4	1	7	21	16	0	5
Carlos Albizu U., San Juan	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inter American U. Puerto Rico, Mercedita	26	1	0	0	0	0	1	4	0	4	0	0	11	7	0	4
Ponce School of Medicine and Health Sciences	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pontifical Catholic U. Puerto Rico, Ponce	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Mayaguez	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Medical Sciences Campus	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Puerto Rico, Rio Piedras	79	0	0	0	0	0	0	8	0	0	1	7	10	9	0	1
Rhode Island	333	12	1	4	1	1	5	56	7	1	11	37	2	1	0	1
Brown U.	227	0	0	0	0	0	0	49	7	1	7	34	1	0	0	1
Salve Regina U.	3	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0
U. Rhode Island	103	12	1	4	1	1	5	4	0	0	4	0	1	1	0	0
South Carolina	540	79	42	23	4	10	0	18	0	7	8	3	33	14	8	11
Clemson U.	217	32	19	12	0	1	0	2	0	0	2	0	14	4	0	10
Medical U. South Carolina	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. South Carolina, Columbia	282	47	23	11	4	9	0	16	0	7	6	3	19	10	8	1
South Dakota	101	4	0	4	0	0	0	2	0	0	2	0	2	2	0	0
Dakota State U.	7	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
South Dakota School of Mines and Technology	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota State U.	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. South Dakota	29	4	0	4	0	0	0	2	0	0	2	0	0	0	0	0
Tennessee	892	110	18	60	3	26	3	103	13	17	33	40	59	29	13	17
East Tennessee State U.	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meharry Medical C.	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Mid-America Baptist Theological Seminary, Cordova	9	0	0	0	0	0	0	4	0	1	0	3	5	0	0	5
Middle Tennessee State U.	32	9	0	1	0	7	1	12	0	0	11	1	3	0	0	3
Tennessee State U.	28	2	0	2	0	0	0	0	0	0	0	0	3	0	0	3
Tennessee Technological U.	23	4	1	1	0	1	1	0	0	0	0	0	0	0	0	0
U. Memphis	124	30	11	16	1	2	0	23	0	5	5	13	15	10	5	0
U. Tennessee, Chattanooga	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Tennessee, Health Science Center	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Tennessee, Knoxville	317	35	4	20	1	9	1	26	6	4	9	7	30	17	8	5
Vanderbilt U.	295	30	2	20	1	7	0	38	7	7	8	16	3	2	0	1
Texas	3,972	398	73	238	10	67	10	351	39	75	113	124	304	174	48	82
Baylor C. of Medicine	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baylor U.	78	5	0	4	1	0	0	23	0	1	11	11	0	0	0	0
Brite Divinity S.	3	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0
Dallas Theological Seminary	9	0	0	0	0	0	0	8	0	0	0	8	1	0	0	1
Lamar U.	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prairie View A&M U.	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rice U.	186	0	0	0	0	0	0	23	1	7	5	10	2	2	0	0
Sam Houston State U.	26	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0
Southern Methodist U.	61	1	1	0	0	0	0	11	0	0	4	7	2	1	0	1
Southwestern Baptist Theological Seminary	25	2	0	1	0	0	1	13	0	0	0	13	10	0	0	10
St. Mary's U., San Antonio	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Stephen F. Austin State U.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas A&M U., College Station	714	59	15	31	0	12	1	32	4	6	13	9	33	15	2	16
Texas A&M U., Commerce	13	2	0	2	0	0	0	9	0	0	8	1	0	0	0	0
Texas A&M U., Corpus Christi	20	15	0	14	0	1	0	0	0	0	0	0	0	0	0	0
Texas A&M U., Kingsville	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Christian U.	20	1	0	0	0	1	0	9	0	7	2	0	0	0	0	0
Texas Southern U.	37	18	8	10	0	0	0	0	0	0	0	0	0	0	0	0
Texas State U.	51	24	7	7	3	3	4	0	0	0	0	0	1	1	0	0
Texas Tech U.	302	54	8	40	0	5	1	38	7	5	15	11	39	28	8	3
Texas Tech U., Health Sciences Center	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas Woman's U.	82	14	1	8	1	4	0	6	0	0	2	4	5	0	0	5
U. Dallas	4	0	0	0	0	0	0	3	0	0	2	1	0	0	0	0
U. Houston	235	6	0	6	0	0	0	23	4	11	8	0	18	10	0	8
U. North Texas, Denton	208	54	5	42	0	7	0	13	0	4	4	5	22	18	0	4
U. North Texas, Health Science Center	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas Health Science Center, Houston	115	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
U. Texas Health Science Center, San Antonio	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas, Medical Branch	39	1	0	0	0	1	0	2	0	0	0	2	0	0	0	0
U. Texas, Pan American	8	0	0	0	0	0	0	0	0	0	0	0	6	6	0	0
U. Texas, Southwestern Medical Center	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Texas, Arlington	218	18	15	3	0	0	0	7	1	1	5	0	33	21	0	12
U. Texas, Austin	850	89	10	54	2	23	0	91	20	25	18	28	75	21	36	18
U. Texas, Dallas	173	1	1	0	0	0	0	17	1	4	5	7	20	16	0	4
U. Texas, El Paso	97	7	0	0	1	5	1	10	0	4	6	0	14	14	0	0
U. Texas, San Antonio	95	9	0	3	2	2	2	6	0	0	5	1	18	17	1	0

TABLE 8. Doctorate-granting institutions, by state or location and major non-science and engineering fields of study: 2014

State or location and institution	All fields	Education						Humanities					Other non-S&E fields			
		Total	Education administration	Education research	Teacher education	Teaching fields	Other education	Total	Foreign languages and literature	History	Letters	Other humanities	Total	Business management and administration	Communication	Non-S&E fields not elsewhere classified
U. of St. Thomas, Houston	3	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0
U. of the Incarnate Word	15	7	2	3	0	2	0	1	1	0	0	0	5	4	1	0
West Texas A&M U.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Utah	508	48	8	30	0	7	3	20	1	2	10	7	30	12	4	14
Brigham Young U., Provo	83	8	2	5	0	1	0	0	0	0	0	0	0	0	0	0
U. Utah	313	23	6	15	0	2	0	19	1	2	9	7	26	10	3	13
Utah State U., Logan	112	17	0	10	0	4	3	1	0	0	1	0	4	2	1	1
Vermont	73	4	2	1	0	0	1	7	7	0	0	0	0	0	0	0
Middlebury C.	7	0	0	0	0	0	0	7	7	0	0	0	0	0	0	0
U. Vermont	66	4	2	1	0	0	1	0	0	0	0	0	0	0	0	0
Virginia	1,557	190	34	120	7	18	11	126	14	32	23	57	124	69	18	37
C. of William and Mary	53	10	3	7	0	0	0	10	0	2	0	8	0	0	0	0
George Mason U.	240	45	5	22	2	8	8	7	0	5	0	2	4	1	3	0
Hampton U.	12	6	4	2	0	0	0	0	0	0	0	0	0	0	0	0
James Madison U.	5	2	0	2	0	0	0	0	0	0	0	0	1	1	0	0
Norfolk State U.	4	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
Old Dominion U.	104	28	5	20	3	0	0	0	0	0	0	0	5	4	1	0
Regent U.	75	7	0	6	0	0	1	6	0	0	0	6	51	42	7	2
U. Virginia, Charlottesville	393	31	2	20	2	7	0	83	14	20	21	28	9	3	1	5
Union Presbyterian Seminary	3	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0
Virginia Commonwealth U.	194	16	9	7	0	0	0	9	0	1	1	7	17	4	6	7
Virginia Polytechnic Institute and State U.	474	45	6	34	0	3	2	8	0	4	1	3	34	14	0	20
Washington	931	67	8	44	2	12	1	78	12	17	28	21	49	32	8	9
Gonzaga U.	13	2	1	1	0	0	0	0	0	0	0	0	1	1	0	0
Seattle Pacific U.	21	10	2	6	0	2	0	0	0	0	0	0	0	0	0	0
U. Washington, Seattle	649	42	4	29	2	6	1	65	12	10	25	18	25	13	7	5
Washington State U.	248	13	1	8	0	4	0	13	0	7	3	3	23	18	1	4
West Virginia	192	36	15	16	0	4	1	15	0	3	1	11	7	0	4	3
Marshall U.	10	4	2	1	0	0	1	0	0	0	0	0	0	0	0	0
West Virginia U.	182	32	13	15	0	4	0	15	0	3	1	11	7	0	4	3
Wisconsin	1,110	120	39	61	3	15	2	123	27	22	37	37	52	24	22	6
Cardinal Stritch U.	30	28	16	7	1	3	1	0	0	0	0	0	0	0	0	0
Marquette U.	66	4	2	1	0	1	0	20	0	3	4	13	2	0	1	1
Medical C. Wisconsin	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. Wisconsin, Madison	784	70	12	44	2	11	1	90	27	18	26	19	30	14	13	3
U. Wisconsin, Milwaukee	187	18	9	9	0	0	0	13	0	1	7	5	20	10	8	2
Wyoming	103	12	3	8	1	0	0	1	0	0	0	1	1	1	0	0
U. Wyoming	103	12	3	8	1	0	0	1	0	0	0	1	1	1	0	0

S&E = science and engineering.

NOTE: See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 9. Top 20 doctorate-granting institutions ranked by number of minority U.S. citizen and permanent resident doctorate recipients, by ethnicity and race of recipient: 5-year total, 2010–14

Rank	Institution	Doctorate recipients
	Hispanic or Latino (359 institutions)	10,309
	From top 20 institutions	3,223
1	U. California, Berkeley	276
2	U. California, Los Angeles	227
3	U. Texas, Austin	208
4	U. Puerto Rico, Rio Piedras	207
5	U. Florida	189
6	Texas A&M U., College Station	181
7	U. California, San Diego	175
8	U. Arizona	172
9	U. Michigan, Ann Arbor	165
10	Graduate Center, CUNY	163
11	U. California, Davis	139
12	U. California, Irvine	135
13	U. Illinois, Urbana-Champaign	128
14	U. California, Santa Barbara	126
15	U. Miami	124
15	U. Texas, El Paso	124
17	U. Wisconsin-Madison	123
18	Arizona State U.	122
18	Harvard U.	122
20	U. Southern California	117
	Not Hispanic or Latino	
	American Indian or Alaska Native (186 institutions)	570
	From top 20 institutions	235
1	U. Arizona	25
2	U. Oklahoma, Norman	21
3	Oklahoma State U., Stillwater	18
4	U. Minnesota, Twin Cities	15
4	U. North Dakota	15
6	U. Washington, Seattle	14
7	U. California, Berkeley	13
7	U. Wisconsin, Madison	13
9	U. Michigan, Ann Arbor	11
9	U. New Mexico, Albuquerque	11
11	U. Arkansas, Fayetteville	10
11	Walden U.	10
13	Texas A&M U., College Station	9
14	U. California, Davis	8
15	Purdue U., West Lafayette	7
15	U. Alaska, Fairbanks	7
15	U. California, Los Angeles	7
15	U. Florida	7
15	U. Montana, Missoula	7
15	Washington State U.	7
	Asian (380 institutions)	14,288
	From top 20 institutions	5,271
1	U. California, Berkeley	543
2	U. California, Los Angeles	483
3	Harvard U.	346
4	U. California, Irvine	289
5	U. Michigan, Ann Arbor	288
6	U. California, Davis	275
7	U. Washington, Seattle	270

TABLE 9. Top 20 doctorate-granting institutions ranked by number of minority U.S. citizen and permanent resident doctorate recipients, by ethnicity and race of recipient: 5-year total, 2010–14

Rank	Institution	Doctorate recipients
8	U. California, San Diego	262
9	Stanford U.	246
10	U. Southern California	231
11	U. Illinois, Urbana-Champaign	229
12	Massachusetts Institute of Technology	227
13	Johns Hopkins U.	225
14	U. Minnesota, Twin Cities	219
15	Columbia U. in the City of New York	217
16	U. Texas, Austin	213
17	U. Pennsylvania	207
18	Georgia Institute of Technology	176
19	U. Maryland, College Park	164
20	U. Wisconsin, Madison	161
	Black or African American (377 institutions)	10,234
	From top 20 institutions	2,960
1	Walden U.	543
2	Howard U.	337
3	U. Michigan, Ann Arbor	151
4	Jackson State U.	133
5	U. Georgia	129
6	Texas A&M U., College Station	128
7	Georgia State U.	125
8	Auburn U., Auburn	117
8	U. Maryland, College Park	117
10	Columbia U., Teachers C.	111
10	Ohio State U., Columbus	111
10	U. South Carolina, Columbia	111
13	Michigan State U.	110
13	Purdue U., West Lafayette	110
15	U. Alabama, Birmingham	107
16	U. Southern Mississippi	106
17	U. Illinois, Urbana-Champaign	105
18	Morgan State U.	104
18	Virginia Polytechnic Institute and State U.	104
20	U. Florida	101
	More than one race (315 institutions)	3,916
	From top 21 institutions	1,319
1	U. California, Berkeley	143
2	U. California, Los Angeles	101
3	U. Michigan, Ann Arbor	74
3	U. Washington, Seattle	74
5	Harvard U.	73
6	U. California, San Diego	70
7	Stanford U.	62
7	U. California, Davis	62
9	U. Hawaii, Manoa	56
10	U. Maryland, College Park	55
11	U. California, Irvine	54
11	U. Texas, Austin	54
13	U. California, Santa Barbara	52
13	U. Wisconsin, Madison	52
13	Yale U.	52
16	Massachusetts Institute of Technology	51
17	U. Pennsylvania	49

TABLE 9. Top 20 doctorate-granting institutions ranked by number of minority U.S. citizen and permanent resident doctorate recipients, by ethnicity and race of recipient: 5-year total, 2010–14

Rank	Institution	Doctorate recipients
18	U. Illinois, Urbana-Champaign	48
19	Columbia U. in the City of New York	47
20	Northwestern U.	45
20	U. Arizona	45

NOTE: Tied institutions are listed alphabetically.

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

TABLE 10. Top 20 doctorate-granting institutions, ranked by number of doctorate recipients holding temporary visas: 2014

Rank	Institution	Doctorate recipients
	All institutions (*n* = 426)	15,852
	From top 20 institutions	5,005
1	Purdue U., West Lafayette	376
2	U. Illinois, Urbana-Champaign	373
3	Texas A&M U., College Station	338
4	U. Florida	298
5	Pennsylvania State U., U. Park and Hershey Medical Center	288
6	U. Michigan, Ann Arbor	282
7	Georgia Institute of Technology	261
8	Ohio State U., Columbus	260
9	U. Texas, Austin	246
10	Massachusetts Institute of Technology	236
11	U. Wisconsin, Madison	219
12	U. Southern California	216
13	U. California, Berkeley	215
14	Michigan State U.	213
15	Harvard U.	211
16	Virginia Polytechnic Institute and State U.	207
17	U. Maryland, College Park	196
18	Cornell U.	194
19	Columbia U. in the City of New York	190
20	North Carolina State U.	186

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 11. Doctorates awarded, by Carnegie category and broad field of study: 2004–14

Field and Carnegie category	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
All doctorate recipients	42,123	43,385	45,622	48,132	48,778	49,553	48,031	48,914	50,961	52,747	54,070
Research universities (very high research activity)	30,108	31,480	33,599	35,290	35,770	36,054	35,101	35,983	37,318	38,551	38,942
Research universities (high research activity)	7,686	7,595	7,629	8,123	8,257	8,499	8,221	8,528	8,867	9,268	9,688
Doctoral/research universities	2,290	2,226	2,256	2,510	2,432	2,537	2,271	1,943	2,205	2,321	2,694
Other universities	2,039	2,084	2,138	2,209	2,319	2,463	2,438	2,460	2,571	2,607	2,746
Life sciences[a]	8,813	9,310	9,704	10,702	11,086	11,403	11,258	11,462	12,029	12,303	12,504
Research universities (very high research activity)	6,659	7,061	7,352	7,998	8,343	8,449	8,400	8,425	8,807	8,992	8,859
Research universities (high research activity)	1,021	1,042	1,106	1,262	1,294	1,360	1,319	1,351	1,475	1,533	1,678
Doctoral/research universities	177	179	203	236	204	279	262	330	362	400	489
Other universities	956	1,028	1,043	1,206	1,245	1,315	1,277	1,356	1,385	1,378	1,478
Physical sciences[b]	6,047	6,693	7,464	7,998	8,133	8,324	8,310	8,664	8,948	9,290	9,859
Research universities (very high research activity)	4,916	5,463	6,149	6,614	6,702	6,842	6,721	6,975	7,201	7,421	7,793
Research universities (high research activity)	975	1,050	1,130	1,212	1,238	1,278	1,371	1,448	1,465	1,594	1,755
Doctoral/research universities	89	99	105	110	115	134	138	157	176	165	179
Other universities	67	81	80	62	78	70	80	84	106	110	132
Social sciences[c]	7,043	7,045	7,124	7,198	7,515	7,829	7,769	8,090	8,342	8,393	8,657
Research universities (very high research activity)	4,739	4,665	4,852	4,865	5,065	5,254	5,208	5,393	5,491	5,521	5,581
Research universities (high research activity)	1,458	1,490	1,425	1,472	1,547	1,595	1,527	1,682	1,720	1,738	1,769
Doctoral/research universities	476	526	480	493	517	546	587	574	692	696	843
Other universities	370	364	367	368	386	434	447	441	439	438	464
Engineering	5,777	6,426	7,186	7,749	7,864	7,642	7,547	7,986	8,422	8,952	9,568
Research universities (very high research activity)	4,795	5,296	6,028	6,486	6,546	6,328	6,197	6,491	6,842	7,180	7,695
Research universities (high research activity)	820	963	973	1,072	1,107	1,093	1,155	1,269	1,310	1,481	1,522
Doctoral/research universities	98	107	124	126	140	146	125	140	186	188	208
Other universities	64	60	61	65	71	75	70	86	84	103	143
Education	6,635	6,227	6,122	6,448	6,561	6,528	5,288	4,670	4,803	4,942	4,793
Research universities (very high research activity)	3,155	3,190	3,187	3,303	3,372	3,382	2,723	2,737	2,749	2,807	2,668
Research universities (high research activity)	2,168	1,844	1,712	1,781	1,805	1,862	1,564	1,364	1,489	1,527	1,493
Doctoral/research universities	1,110	998	1,002	1,169	1,197	1,077	803	425	411	434	478
Other universities	202	195	221	195	187	207	198	144	154	174	154
Humanities	5,210	5,141	5,326	5,092	4,719	4,891	4,971	5,209	5,499	5,666	5,486
Research universities (very high research activity)	4,163	4,117	4,230	4,031	3,767	3,816	3,926	4,063	4,290	4,527	4,330
Research universities (high research activity)	683	662	723	717	630	712	683	800	812	734	758
Doctoral/research universities	158	161	150	145	125	156	162	147	195	193	188
Other universities	206	201	223	199	197	207	200	199	202	212	210
Other[d]	2,598	2,543	2,696	2,945	2,900	2,936	2,888	2,833	2,918	3,201	3,203
Research universities (very high research activity)	1,681	1,688	1,801	1,993	1,975	1,983	1,926	1,899	1,938	2,103	2,016
Research universities (high research activity)	561	544	560	607	636	599	602	614	596	661	713
Doctoral/research universities	182	156	192	231	134	199	194	170	183	245	309
Other universities	174	155	143	114	155	155	166	150	201	192	165

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

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

TABLE 12. Doctorate recipients, by major field of study: Selected years, 1984–2014

Field of study	1984		1989		1994		1999		2004		2009		2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All fields	31,334	100.0	34,325	100.0	41,034	100.0	41,100	100.0	42,123	100.0	49,553	100.0	54,070	100.0
Life sciences	5,803	18.5	6,410	18.7	7,800	19.0	8,204	20.0	8,813	20.9	11,403	23.0	12,504	23.1
Agricultural sciences and natural resources	1,201	3.8	1,320	3.8	1,301	3.2	1,216	3.0	1,155	2.7	1,283	2.6	1,303	2.4
Biological, biomedical sciences	3,880	12.4	4,116	12.0	5,203	12.7	5,581	13.6	5,940	14.1	8,025	16.2	8,991	16.6
Health sciences	722	2.3	974	2.8	1,296	3.2	1,407	3.4	1,718	4.1	2,095	4.2	2,210	4.1
Physical sciences	4,407	14.1	5,387	15.7	6,761	16.5	6,224	15.1	6,047	14.4	8,324	16.8	9,859	18.2
Chemistry	1,765	5.6	1,970	5.7	2,257	5.5	2,132	5.2	1,986	4.7	2,392	4.8	2,673	4.9
Computer and information sciences	295	0.9	612	1.8	903	2.2	856	2.1	948	2.3	1,610	3.2	2,072	3.8
Geosciences	569	1.8	672	2.0	791	1.9	723	1.8	686	1.6	877	1.8	989	1.8
Mathematics	698	2.2	859	2.5	1,118	2.7	1,083	2.6	1,076	2.6	1,553	3.1	1,879	3.5
Physics and astronomy	1,080	3.4	1,274	3.7	1,692	4.1	1,430	3.5	1,351	3.2	1,892	3.8	2,246	4.2
Social sciences	6,087	19.4	6,149	17.9	6,835	16.7	7,291	17.7	7,043	16.7	7,829	15.8	8,657	16.0
Anthropology	335	1.1	325	0.9	384	0.9	462	1.1	531	1.3	503	1.0	527	1.0
Economics	793	2.5	898	2.6	939	2.3	926	2.3	959	2.3	1,118	2.3	1,194	2.2
Political science	419	1.3	430	1.3	589	1.4	655	1.6	587	1.4	682	1.4	776	1.4
Psychology	3,255	10.4	3,208	9.3	3,379	8.2	3,668	8.9	3,327	7.9	3,472	7.0	3,765	7.0
Sociology	515	1.6	436	1.3	525	1.3	544	1.3	580	1.4	662	1.3	678	1.3
Other social sciences	770	2.5	852	2.5	1,019	2.5	1,036	2.5	1,059	2.5	1,392	2.8	1,717	3.2
Engineering	2,912	9.3	4,543	13.2	5,820	14.2	5,330	13.0	5,777	13.7	7,642	15.4	9,568	17.7
Aerospace, aeronautical, and astronautical engineering	119	0.4	178	0.5	230	0.6	206	0.5	201	0.5	297	0.6	387	0.7
Chemical engineering	361	1.2	625	1.8	630	1.5	576	1.4	638	1.5	807	1.6	975	1.8
Civil engineering	351	1.1	498	1.5	601	1.5	506	1.2	547	1.3	707	1.4	622	1.2
Electrical, electronics, and communication engineering	587	1.9	995	2.9	1,438	3.5	1,236	3.0	1,389	3.3	1,693	3.4	1,957	3.6
Industrial and manufacturing engineering	84	0.3	162	0.5	228	0.6	211	0.5	217	0.5	251	0.5	298	0.6
Materials science engineering	168	0.5	257	0.7	433	1.1	393	1.0	475	1.1	625	1.3	836	1.5
Mechanical engineering	336	1.1	650	1.9	883	2.2	786	1.9	754	1.8	1,095	2.2	1,332	2.5
Other engineering	906	2.9	1,178	3.4	1,377	3.4	1,416	3.4	1,556	3.7	2,167	4.4	3,161	5.8
Education	6,808	21.7	6,280	18.3	6,711	16.4	6,554	15.9	6,635	15.8	6,528	13.2	4,793	8.9
Education administration	1,569	5.0	1,633	4.8	2,000	4.9	2,046	5.0	2,342	5.6	2,146	4.3	895	1.7
Education research	2,967	9.5	2,410	7.0	2,528	6.2	2,733	6.6	2,805	6.7	2,663	5.4	2,558	4.7
Teacher education	431	1.4	451	1.3	401	1.0	293	0.7	270	0.6	332	0.7	153	0.3
Teaching fields	1,170	3.7	970	2.8	960	2.3	893	2.2	758	1.8	906	1.8	919	1.7
Other education	671	2.1	816	2.4	822	2.0	589	1.4	460	1.1	481	1.0	268	0.5
Humanities	3,376	10.8	3,364	9.8	4,521	11.0	5,210	12.7	5,210	12.4	4,891	9.9	5,486	10.1
Foreign languages and literature	492	1.6	432	1.3	594	1.4	626	1.5	587	1.4	598	1.2	676	1.3
History	617	2.0	538	1.6	801	2.0	1,010	2.5	976	2.3	1,045	2.1	1,182	2.2
Letters	1,009	3.2	982	2.9	1,379	3.4	1,516	3.7	1,407	3.3	1,413	2.9	1,553	2.9
Other humanities	1,258	4.0	1,412	4.1	1,747	4.3	2,058	5.0	2,240	5.3	1,835	3.7	2,075	3.8

TABLE 12. Doctorate recipients, by major field of study: Selected years, 1984–2014

Field of study	1984		1989		1994		1999		2004		2009		2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Other[a]	1,941	6.2	2,192	6.4	2,586	6.3	2,287	5.6	2,598	6.2	2,936	5.9	3,203	5.9
Business management and administration	869	2.8	1,066	3.1	1,283	3.1	1,109	2.7	1,256	3.0	1,405	2.8	1,583	2.9
Communication	255	0.8	306	0.9	371	0.9	379	0.9	450	1.1	627	1.3	664	1.2
Non-S&E fields not elsewhere classified	817	2.6	820	2.4	932	2.3	798	1.9	892	2.1	904	1.8	956	1.8
Unknown field	0	0.0	0	0.0	0	0.0	1	*	0	0.0	0	0.0	0	0.0

* = value < 0.05%.

S&E = science and engineering.

[a] Non-science and engineering fields.

NOTES: See table A-6 in the technical notes for a listing of major fields and their constituent subfields. Due to rounding, percentages may not sum to 100.

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

TABLE 13. Doctorate recipients, by subfield of study: 2004–14

Subfield of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
All fields	42,123	43,385	45,622	48,132	48,778	49,553	48,031	48,914	50,961	52,747	54,070
Life sciences	8,813	9,310	9,704	10,702	11,086	11,403	11,258	11,462	12,029	12,303	12,504
Agricultural sciences and natural resources	1,155	1,160	1,146	1,321	1,198	1,283	1,100	1,206	1,255	1,328	1,303
Agricultural and horticultural plant breeding	36	35	41	39	28	24	31	23	31	22	39
Agricultural animal breeding	13	14	12	15	3	12	7	7	6	8	na
Agricultural economics	110	121	113	182	111	116	118	106	88	109	96
Agronomy and crop science	63	79	56	72	68	77	69	54	73	86	79
Animal nutrition	47	51	46	56	41	34	34	48	57	54	50
Animal science, poultry (or avian)	21	14	15	22	18	17	12	25	22	23	25
Animal science, other	75	71	72	63	77	74	54	69	75	86	102
Environmental science	130	129	132	163	182	201	155	195	182	204	214
Fishing and fisheries sciences/management	38	34	52	43	52	67	34	59	51	53	52
Food science	94	93	97	121	96	110	100	73	108	105	92
Food science and technology, other	74	48	45	33	41	30	37	39	35	48	39
Forest sciences and biology	36	29	32	42	32	43	23	26	25	19	23
Forest/resources management	26	40	37	48	44	52	41	34	29	44	28
Forestry and related science, other	34	24	28	34	17	26	17	35	29	26	20
Horticulture science	46	49	54	48	50	55	42	48	40	41	51
Natural resource/environmental economics (life sciences)	na	na	na	na	na	na	na	na	31	22	28
Natural resources/conservation	45	65	60	70	78	84	88	100	99	92	71
Plant pathology/phytopathology	56	71	63	70	59	61	56	53	71	74	74
Plant sciences, other	34	31	43	46	39	60	49	51	77	67	77
Soil chemistry/microbiology	21	24	20	24	25	18	20	34	15	16	21
Soil sciences, other	52	52	48	59	67	49	39	39	37	51	45
Wildlife/range management	42	44	51	43	55	34	48	50	39	41	29
Wood science and pulp/paper technology	19	15	12	12	2	17	8	15	16	8	4
Agricultural sciences/natural resources, general	6	10	6	5	8	8	2	9	8	9	25
Agricultural sciences/natural resources, other	37	17	11	11	5	14	16	14	11	20	19
Biological, biomedical sciences	5,940	6,367	6,652	7,238	7,797	8,025	8,046	8,153	8,426	8,470	8,991
Anatomy	13	23	21	20	25	15	25	25	23	15	15
Bacteriology	15	13	10	22	22	20	24	22	23	28	25
Biochemistry	703	693	784	864	899	858	861	867	847	827	820
Bioinformatics	na	na	na	83	147	175	123	140	145	166	185
Biomedical sciences	183	249	278	287	268	300	287	311	367	401	439
Biometrics and biostatistics	100	129	107	120	122	115	127	137	174	145	165
Biophysics (biology)	130	144	183	184	167	195	171	192	193	179	186
Biotechnology	26	23	32	28	32	26	22	33	54	39	46
Botany/plant biology	135	87	92	120	105	113	110	110	110	91	93
Cancer biology	na	na	na	96	289	273	300	396	381	379	457
Cell/cellular biology and histology	292	317	337	373	376	354	361	379	376	317	331
Computational biology	na	na	na	na	na	na	69	65	94	115	117
Developmental biology/embryology	141	162	149	177	185	185	193	205	174	197	198
Ecology	366	411	391	469	439	456	431	404	415	468	450
Endocrinology	22	29	18	25	22	33	23	32	26	39	26

TABLE 13. Doctorate recipients, by subfield of study: 2004–14

Subfield of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Entomology	108	103	117	95	119	131	122	113	120	118	114
Environmental toxicology	na	na	na	na	na	na	39	30	45	33	49
Epidemiology	na	na	na	na	na	na	na	na	na	na	292
Evolutionary biology	na	na	na	42	178	215	214	213	203	209	215
Genetics/genomics, human and animal	258	285	286	372	413	364	383	374	334	396	402
Immunology	347	342	390	394	424	434	452	449	455	471	452
Marine biology and biological oceanography	na	na	na	na	na	na	na	na	100	111	111
Microbiology	393	432	493	527	538	586	490	462	451	455	466
Molecular biology	725	724	780	709	786	763	697	716	621	647	673
Neurosciences and neurobiology	584	690	741	777	883	983	954	958	1,053	1,017	1,052
Nutrition sciences	131	163	148	164	176	174	180	163	183	177	175
Parasitology	20	21	27	16	23	24	37	26	29	26	26
Pathology, human and animal	98	93	80	105	105	106	79	83	95	95	99
Pharmacology, human and animal	288	315	329	292	281	343	290	301	308	288	294
Physiology, human and animal	207	208	221	243	241	244	258	226	254	210	208
Plant genetics	54	50	62	47	47	48	52	46	41	37	48
Plant pathology/phytopathology	25	31	26	20	29	26	19	18	25	21	29
Plant physiology	24	38	40	32	26	13	28	15	19	25	17
Structural biology	na	na	na	na	na	na	53	71	57	67	60
Toxicology	105	102	101	117	137	120	99	96	102	99	117
Virology	na	na	na	na	na	na	134	178	162	162	162
Wildlife biology	na	na	na	na	na	na	na	na	na	na	36
Zoology	94	103	101	79	61	79	72	65	51	40	33
Biology/biomedical sciences, general	188	189	187	231	150	173	184	168	224	257	242
Biology/biomedical sciences, other	165	198	121	108	82	81	83	64	92	103	66
Health sciences	1,718	1,783	1,906	2,143	2,091	2,095	2,112	2,103	2,348	2,505	2,210
Environmental health	56	42	75	58	69	42	66	56	67	70	76
Environmental toxicology	28	42	43	37	43	37	na	na	na	na	na
Epidemiology	217	229	229	293	305	273	324	314	365	353	na
Gerontology (health sciences)	na	na	na	na	na	na	10	15	14	13	14
Health and behavior	na	na	na	na	na	na	na	na	na	na	87
Health policy analysis	na	na	na	na	na	na	na	na	41	69	50
Health systems/services administration	66	70	71	105	70	70	75	84	51	89	89
Kinesiology/exercise physiology	164	153	189	190	212	211	215	198	228	215	250
Nursing science	394	421	415	484	504	511	482	523	552	509	567
Oral biology/oral pathology	na	na	na	na	na	na	15	22	15	20	15
Pharmaceutical sciences	161	168	154	273	277	277	274	271	295	332	278
Public health	260	279	295	288	229	299	295	266	349	431	400
Rehabilitation/therapeutic services	67	66	75	76	89	80	61	60	80	85	83
Speech-language pathology and audiology	95	97	120	115	112	121	100	110	119	110	114
Veterinary sciences	54	47	38	71	54	60	57	60	59	67	42
Health sciences, general	33	49	44	27	31	35	37	41	37	62	39
Health sciences, other	123	120	158	126	96	79	101	83	76	80	106

TABLE 13. Doctorate recipients, by subfield of study: 2004–14

Subfield of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Physical sciences	6,047	6,693	7,464	7,998	8,133	8,324	8,310	8,664	8,948	9,290	9,859
Astronomy	165	186	197	223	249	262	266	287	274	302	290
Astronomy	68	72	64	87	101	97	102	88	88	103	113
Astrophysics	97	114	133	136	148	165	155	185	175	185	171
Astronomy, other	na	na	na	na	na	na	9	14	11	14	6
Atmospheric science and meteorology	126	145	146	167	188	167	170	178	205	206	200
Atmospheric chemistry and climatology	29	42	30	38	49	30	39	43	50	49	42
Atmospheric physics and dynamics	33	28	30	39	59	43	45	40	51	43	51
Meteorology	22	20	18	17	23	14	15	29	18	18	32
Atmospheric science/meteorology, general	24	30	40	47	40	55	47	47	61	78	55
Atmospheric science/meteorology, other	18	25	28	26	17	25	24	19	25	18	20
Chemistry	1,986	2,126	2,364	2,318	2,246	2,392	2,304	2,432	2,418	2,484	2,673
Analytical chemistry	323	363	367	397	371	364	402	391	371	417	416
Inorganic chemistry	240	256	267	273	301	331	294	320	307	298	373
Medicinal chemistry[a]	113	110	150	na	na	na	na	na	na	na	86
Organic chemistry	541	603	626	653	640	684	599	663	668	642	604
Physical chemistry	264	298	376	328	331	319	360	390	360	354	341
Polymer chemistry	116	119	134	122	106	119	126	123	125	124	127
Theoretical chemistry	54	57	86	86	80	86	86	69	78	74	103
Chemistry, general	198	191	211	310	271	299	269	289	290	366	414
Chemistry, other	137	129	147	149	146	190	168	187	219	209	209
Computer and information sciences	948	1,129	1,453	1,654	1,787	1,610	1,664	1,713	1,843	1,901	2,072
Computer science	767	952	1,216	1,431	1,499	1,361	1,356	1,393	1,482	1,568	1,668
Information science and systems	106	84	135	130	181	140	158	165	173	152	151
Robotics	na	na	na	na	na	na	31	46	50	58	81
Computer and information science, general	na	na	na	na	na	na	na	na	na	na	94
Computer and information science, other	75	93	102	93	107	109	119	109	138	123	78
Geological and earth sciences	371	379	432	478	458	492	463	451	462	491	581
Geochemistry	38	55	53	58	78	78	74	70	68	73	86
Geology	98	107	126	143	141	140	128	124	112	127	131
Geomorphology and glacial geology	22	12	24	21	12	22	28	23	16	32	25
Geophysics and seismology	87	92	81	111	116	102	94	95	95	113	150
Mineralogy and petrology	17	8	18	16	16	12	13	19	19	16	15
Paleontology	25	29	30	33	26	31	31	38	41	31	38
Stratigraphy and sedimentation	19	15	19	20	10	18	18	16	16	22	15
Geological and earth sciences, general	23	24	30	26	25	31	36	26	34	33	61
Geological and earth sciences, other	42	37	51	50	34	58	41	40	61	44	60
Mathematics	1,076	1,205	1,325	1,388	1,400	1,553	1,590	1,606	1,703	1,819	1,879
Algebra	97	97	124	115	124	139	150	152	149	151	173
Analysis and functional analysis	99	111	98	119	112	130	143	145	134	159	137
Applied mathematics	264	292	347	334	360	382	401	432	462	457	476
Computing theory and practice	10	16	14	29	26	16	16	20	14	22	19

TABLE 13. Doctorate recipients, by subfield of study: 2004–14

Subfield of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Geometry/geometric analysis	95	96	89	88	100	89	104	120	112	119	120
Logic	15	26	20	26	25	38	22	17	15	33	26
Number theory	39	62	60	65	62	64	71	73	63	79	83
Operations research	25	23	32	30	27	28	27	27	26	15	28
Statistics (mathematics)	226	267	301	360	303	353	327	332	365	364	408
Topology/foundations	52	51	72	62	58	73	84	73	74	78	78
Mathematics/statistics, general	81	104	107	145	140	173	163	143	192	234	238
Mathematics/statistics, other	73	60	61	15	63	68	82	72	97	108	93
Ocean/marine sciences	189	190	179	230	219	218	229	223	174	184	208
Hydrology and water resources	49	41	38	42	45	38	47	48	52	51	63
Marine sciences	59	61	61	71	75	79	79	69	36	26	41
Oceanography, chemical and physical	66	74	60	109	83	81	87	90	70	92	88
Ocean/marine, other	15	14	20	8	16	20	16	16	16	15	16
Physics	1,186	1,333	1,368	1,540	1,586	1,630	1,624	1,774	1,869	1,903	1,956
Acoustics	17	25	15	18	15	21	15	20	10	22	20
Applied physics	71	102	99	125	137	133	143	144	138	180	156
Atomic/molecular/chemical physics	82	87	90	111	119	104	105	125	116	118	121
Biophysics (physics)	55	72	96	118	119	104	123	132	130	133	131
Condensed matter/low temperature physics	277	314	335	359	397	401	379	383	390	413	391
Medical physics/radiological science	na	na	na	na	na	na	61	74	80	93	103
Nuclear physics	74	69	86	74	62	74	86	81	92	76	103
Optics/photonics	120	145	144	148	148	164	145	165	165	174	192
Particle (elementary) physics	163	188	200	202	210	218	196	229	282	272	245
Plasma/fusion physics	37	54	44	48	59	58	50	83	66	71	83
Polymer physics	18	29	23	29	43	25	18	20	19	32	44
Physics, general	141	128	145	187	159	211	213	189	242	192	231
Physics, other	131	120	91	121	118	117	90	129	139	127	136
Psychology and social sciences	7,043	7,045	7,124	7,198	7,515	7,829	7,769	8,090	8,342	8,393	8,657
Psychology	3,327	3,322	3,260	3,276	3,358	3,472	3,422	3,577	3,603	3,595	3,765
Behavioral analysis	na	na	na	na	na	na	na	na	44	54	51
Clinical psychology	1,219	1,155	1,119	1,160	1,143	1,201	1,151	1,229	1,229	1,140	1,244
Cognitive psychology and psycholinguistics	145	147	181	174	181	189	220	204	199	219	202
Comparative psychology	6	5	5	7	9	9	na	na	na	na	na
Counseling	512	466	409	415	422	422	408	427	392	424	382
Developmental and child psychology	186	224	203	197	197	182	191	218	206	227	244
Educational psychology (psychology)	75	81	59	71	69	73	70	62	67	60	64
Experimental psychology	88	121	125	126	137	145	142	147	134	141	143
Family psychology	32	25	21	43	42	34	45	33	41	34	41
Health and medical psychology	na	na	na	na	na	na	na	na	46	65	79
Human development and family studies	144	172	182	125	121	146	145	145	137	139	144
Industrial and organizational psychology	157	186	175	187	215	196	207	200	222	214	208
Neuropsychology/physiological psychology	84	85	95	95	81	87	82	77	101	112	122
Personality psychology	18	14	30	16	18	19	22	23	21	15	21
Psychometrics and quantitative psychology	29	22	20	35	23	29	36	35	34	44	33

TABLE 13. Doctorate recipients, by subfield of study: 2004–14

Subfield of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
School psychology (psychology)	87	109	123	121	132	122	107	110	118	114	111
Social psychology	163	183	172	199	204	226	211	228	246	211	242
Psychology, general	218	184	207	194	198	209	185	229	220	231	280
Psychology, other	164	143	134	111	166	183	200	210	146	151	154
Social sciences	3,716	3,723	3,864	3,922	4,157	4,357	4,347	4,513	4,739	4,798	4,892
Anthropology, cultural	na	na	na	na	na	na	na	na	na	na	268
Anthropology, physical and biological	na	na	na	na	na	na	na	na	na	na	73
Anthropology, general	531	456	472	512	483	503	507	553	547	550	186
Econometrics	18	30	33	30	36	31	34	28	40	48	46
Economics	941	1,031	996	974	1,055	1,087	1,039	1,093	1,155	1,087	1,099
Natural resource/environmental economics (social sciences)	na	na	na	na	na	na	na	na	48	49	49
Political science and government	587	618	616	588	628	682	728	685	724	803	776
Sociology	580	536	579	576	601	662	639	657	633	636	678
Other social sciences	1,059	1,052	1,168	1,242	1,354	1,392	1,400	1,497	1,592	1,625	1,717
Area/ethnic/cultural studies	18	6	23	98	114	112	111	110	113	97	90
Criminal justice and corrections	na	na	na	46	74	75	74	80	80	75	80
Criminology	69	97	100	46	54	61	52	101	86	76	79
Demography/population studies	19	20	24	14	23	18	13	30	17	27	32
Gender and women's studies	na	na	na	na	na	na	na	na	na	na	41
Geography	190	195	205	200	249	209	225	233	270	252	291
Gerontology (social sciences)	na	na	na	na	na	na	18	27	31	32	28
International relations/affairs	99	106	115	125	82	101	107	113	124	119	104
Linguistics	254	212	251	226	254	275	240	270	259	285	277
Natural resource/environmental policy	na	na	na	na	na	na	na	na	na	na	36
Public policy analysis	145	161	172	212	196	228	244	223	263	279	276
Statistics (social sciences)	31	22	22	29	20	17	21	22	19	24	20
Urban affairs/studies	85	81	84	41	28	33	34	31	34	39	35
Urban/city, community and regional planning	na	na	na	71	116	92	106	104	121	114	111
Social sciences, general	32	33	45	37	37	51	48	39	33	55	59
Social sciences, other	117	119	127	97	107	120	107	114	142	151	158
Engineering	5,777	6,426	7,186	7,749	7,864	7,642	7,547	7,986	8,422	8,952	9,568
Aerospace, aeronautical, and astronautical engineering	201	219	238	267	266	297	252	262	307	348	387
Chemical engineering	638	774	799	817	873	807	822	823	840	826	975
Civil engineering	547	622	655	703	713	707	643	634	496	543	622
Electrical, electronics, and communications engineering	1,389	1,547	1,786	1,967	1,888	1,693	1,778	1,886	1,940	1,897	1,957
Industrial and manufacturing engineering	217	221	234	279	280	251	215	258	226	241	298
Materials science engineering	475	493	583	646	636	625	670	662	743	815	836
Mechanical engineering	754	892	1,045	1,071	1,082	1,095	983	1,084	1,220	1,281	1,332
Other engineering	1,556	1,658	1,846	1,999	2,126	2,167	2,184	2,377	2,650	3,001	3,161
Agricultural engineering	60	47	53	49	61	64	58	60	68	75	80
Bioengineering and biomedical engineering	369	417	525	637	762	834	824	898	943	1,039	1,049
Ceramic sciences engineering	14	14	8	14	7	5	11	7	5	3	na
Communications engineering	34	27	26	37	26	26	15	16	24	31	29
Computer engineering	228	277	321	404	386	380	374	372	406	419	467

TABLE 13. Doctorate recipients, by subfield of study: 2004–14

Subfield of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Engineering management and administration	na	na	na	36	39	40	38	37	44	59	44
Engineering mechanics	98	86	102	56	60	63	46	63	48	70	71
Engineering physics	28	27	35	20	26	31	31	32	17	34	30
Engineering science	58	43	44	43	35	42	52	51	45	41	58
Environmental/environmental health engineering	126	136	149	160	153	120	112	144	214	270	270
Geotechnical and geoenvironmental engineering	na	na	na	na	na	na	na	na	49	51	72
Metallurgical engineering	22	33	34	18	22	26	11	30	16	25	24
Mining and mineral engineering	9	12	16	16	13	14	7	6	14	29	na
Nuclear engineering	59	71	67	77	99	73	91	107	101	119	156
Ocean engineering	21	18	15	18	25	29	23	26	21	30	30
Operations research	72	87	89	96	80	79	85	83	90	119	117
Petroleum engineering	34	50	47	40	44	54	51	56	67	92	106
Polymer and plastics engineering	54	51	45	74	49	60	57	71	67	61	63
Structural engineering	na	na	na	na	na	na	66	69	81	81	101
Systems engineering	58	58	79	72	80	67	68	79	82	114	95
Transportation and highway engineering	na	na	na	na	na	na	na	na	76	80	101
Engineering, general	29	53	60	35	43	44	36	36	43	24	40
Engineering, other	183	151	131	97	116	116	128	134	129	135	158
Education	6,635	6,227	6,122	6,448	6,561	6,528	5,288	4,670	4,803	4,942	4,793
Education administration	2,342	2,167	2,051	2,161	2,238	2,146	1,439	924	1,057	966	895
Education and human resource studies/development	na	na	na	na	na	na	na	na	78	93	62
Educational administration and supervision	741	727	629	663	665	585	320	217	219	189	172
Educational leadership	1,601	1,440	1,422	1,498	1,573	1,561	1,029	649	673	600	605
Urban education and leadership	na	na	na	na	na	na	90	58	87	84	56
Education research	2,805	2,674	2,751	2,671	2,640	2,663	2,443	2,438	2,569	2,708	2,558
Counseling education/counseling and guidance	182	178	201	220	208	233	211	223	223	257	229
Curriculum and instruction	973	986	1,006	838	744	782	617	590	583	586	549
Educational assessment/testing/measurement	57	56	58	76	73	89	65	73	57	64	54
Educational policy analysis	na	na	na	na	na	na	122	151	157	172	155
Educational psychology (education)	262	249	255	272	306	326	269	287	302	284	259
Educational statistics/research methods	64	59	72	70	66	60	68	79	70	84	75
Educational/instructional media design	193	124	156	177	177	150	121	133	30	17	17
Educational/instructional technology	na	na	na	na	na	na	na	na	164	241	190
Higher education/evaluation and research	538	515	492	506	578	512	420	384	448	435	447
International education	na	na	na	na	na	na	65	60	52	65	70
School psychology (education)	113	112	115	111	103	116	132	128	117	131	145
Social/philosophical foundations of education	135	154	159	107	122	124	92	100	98	84	92
Special education	288	241	237	294	263	271	261	230	268	288	276
Teacher education	270	263	250	297	274	332	245	204	156	111	153
Adult and continuing teacher education	143	151	116	155	118	138	91	64	49	24	53
Elementary teacher education	63	54	37	58	63	66	48	45	40	27	37
Pre-elementary/early childhood teacher education	38	36	57	53	60	80	58	52	29	35	29
Secondary teacher education	26	22	40	31	33	48	48	43	38	25	34

TABLE 13. Doctorate recipients, by subfield of study: 2004–14

Subfield of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Teaching fields	758	663	707	873	912	906	800	805	757	892	919
Agricultural education	18	25	21	44	33	29	34	28	30	27	26
Art education	38	34	35	47	44	46	35	48	36	30	42
Bilingual and multilingual education	na	na	na	na	na	na	na	na	35	50	30
Business education	7	7	9	6	14	13	na	na	na	na	na
English as a second or foreign language	na	na	na	na	na	na	na	na	na	na	58
English education	45	55	48	51	71	51	61	64	32	35	31
Family and consumer/human science	15	11	13	20	31	19	23	24	10	19	20
Foreign languages education	62	80	60	64	68	57	60	55	60	54	39
Health education	42	44	43	71	61	53	45	49	35	52	43
Literacy and reading education	86	74	68	102	121	118	83	80	124	126	128
Mathematics education	91	89	98	132	127	161	144	142	114	138	143
Music education	94	61	83	82	76	68	83	86	69	91	104
Nursing education	10	10	7	15	23	13	30	23	18	33	30
Physical education and coaching	68	48	49	48	50	34	35	43	38	44	36
Science education	86	67	81	105	94	119	96	93	110	114	112
Social science education	21	15	20	21	22	21	21	27	20	22	16
Teacher education and professional development, other	57	37	58	60	64	76	50	43	26	57	61
Trade and industrial education	18	6	14	5	13	28	na	na	na	na	na
Other education	460	460	363	446	497	481	361	299	264	265	268
Workforce education and development	na	na	na	na	na	na	na	na	na	na	31
Education, general	188	218	134	260	239	209	152	122	121	128	135
Education, other	272	242	229	186	258	272	209	177	143	137	102
Humanities	5,210	5,141	5,326	5,092	4,719	4,891	4,971	5,209	5,499	5,666	5,486
Foreign languages and literature	587	607	615	607	627	598	601	644	684	702	676
Arabic	7	5	10	3	7	5	14	8	12	9	14
Chinese	15	22	19	17	22	35	41	29	20	37	17
French	124	113	111	116	120	114	110	114	122	140	140
German	56	76	75	91	80	70	64	71	90	75	84
Italian	39	19	30	31	31	39	35	38	50	44	39
Japanese	14	23	26	21	17	18	27	16	20	21	23
Latin American	na	na	na	na	na	na	na	na	57	66	83
Russian	25	21	28	25	27	18	23	34	24	30	25
Slavic (other than Russian)	8	13	11	4	2	10	na	na	na	na	na
Spanish	241	240	232	241	244	235	231	247	205	216	182
Other languages and literature	58	75	73	58	77	54	56	87	84	64	69
History	976	924	973	937	971	1,045	1,005	1,065	1,087	1,148	1,182
African history	21	18	27	21	22	29	30	29	38	32	32
American history (U.S. and Canada)	403	372	391	386	384	432	391	432	440	444	431
Asian history	66	64	80	71	74	55	59	68	73	85	78
European history	222	211	216	182	196	214	193	224	187	186	229
History, science and technology and society	48	43	56	51	48	56	46	47	49	53	78
Latin American history	47	45	49	44	62	67	65	52	63	77	73
Middle/Near East studies	na	na	na	45	59	61	65	63	60	71	68

TABLE 13. Doctorate recipients, by subfield of study: 2004–14

Subfield of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
History, general	55	77	59	74	64	64	78	68	93	105	121
History, other	114	94	95	63	62	67	78	82	84	95	72
Letters	1,407	1,389	1,457	1,340	1,420	1,413	1,516	1,513	1,638	1,605	1,553
American literature (U.S. and Canada)	351	406	382	334	338	327	361	366	409	397	350
Classics	70	61	78	62	72	77	86	91	101	101	91
Comparative literature	175	180	165	176	166	179	197	192	201	218	196
Creative writing	na	na	na	65	73	76	81	85	93	79	86
English language	156	137	136	160	156	104	146	179	154	92	149
English literature (British and Commonwealth)	426	416	437	351	397	388	419	354	423	398	393
Folklore	22	18	14	10	13	10	11	10	6	9	17
Rhetoric and composition	na	na	na	na	na	na	na	na	154	219	210
Speech and rhetorical studies	128	98	142	131	126	138	152	165	53	33	29
Letters, general	16	19	21	15	34	74	22	25	18	27	12
Letters, other	63	54	82	36	45	40	41	46	26	32	20
Other humanities	2,240	2,221	2,281	2,208	1,701	1,835	1,849	1,987	2,090	2,211	2,075
American/U.S. studies	115	104	107	111	121	116	115	132	121	123	121
Archaeology	34	44	39	58	47	58	60	87	79	72	105
Art history/criticism/conservation	248	211	247	227	208	226	248	242	227	265	262
Bible/biblical studies	na	na	na	43	79	74	97	103	95	106	86
Drama/theater arts	93	88	85	107	83	104	104	107	111	120	104
Ethics	na	na	na	na	na	na	na	na	29	26	28
Film/cinema/video studies	na	na	na	na	na	na	na	na	62	67	72
Jewish/Judaic studies and history	na	na	na	na	na	na	na	na	17	33	28
Music	848	907	921	397	67	74	66	81	67	88	65
Musicology/ethnomusicology	na	na	na	40	106	127	135	137	138	128	140
Music performance	na	na	na	241	60	85	106	93	113	125	77
Music theory and composition	na	na	na	59	90	99	91	95	95	102	104
Music, other	na	na	na	96	17	18	18	22	21	29	20
Philosophy	365	355	370	411	400	422	432	462	497	494	451
Religion/religious studies	387	370	381	325	333	326	282	312	290	301	291
Humanities, general	18	25	23	33	14	49	28	43	16	31	34
Humanities, other	132	117	108	60	76	57	67	71	112	101	87
Other[b]	2,598	2,543	2,696	2,945	2,900	2,936	2,888	2,833	2,918	3,201	3,203
Business management and administration	1,256	1,171	1,311	1,506	1,421	1,405	1,365	1,327	1,404	1,552	1,583
Accounting	130	130	138	170	140	141	148	157	175	168	198
Banking/financial services	106	83	104	5	4	5	5	1	na	na	na
Business administration and management	369	299	355	316	204	173	157	146	221	270	242
Business/managerial economics	59	55	45	31	18	24	29	26	31	24	21
Finance	na	na	na	93	241	213	210	200	232	260	264
Hospitality, food service and tourism management	na	na	na	na	na	na	36	59	57	71	65
Human resources development	87	100	93	88	65	74	70	70	44	44	65
International business/trade/commerce	31	28	31	30	31	37	25	28	21	34	31
Management information systems/business statistics	94	95	137	142	156	136	108	100	103	107	101

TABLE 13. Doctorate recipients, by subfield of study: 2004–14

Subfield of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Marketing management and research	134	143	164	197	190	183	157	156	174	191	152
Operations research	52	50	65	66	78	51	84	70	80	103	91
Organizational behavior	127	120	111	184	157	167	174	189	163	186	212
Business management/administration, general	24	27	27	108	60	90	102	67	50	39	68
Business management/administration, other	43	41	41	76	77	111	60	58	53	55	73
Communication	450	488	510	560	557	627	638	650	595	648	664
Communication research	60	63	80	99	104	129	120	125	126	156	150
Communication theory	49	54	47	30	32	38	34	29	31	30	39
Mass communication/media studies	187	215	229	187	175	206	214	212	199	238	250
Film, radio, TV and digital communication	na	na	na	39	62	64	73	77	43	30	35
Communication, general	75	76	101	116	103	120	119	117	117	108	123
Communication, other	79	80	53	89	81	70	78	90	79	86	67
Non-S&E fields not elsewhere classified	892	883	871	876	922	904	885	856	919	1,001	956
Architecture/environmental design	66	76	92	96	75	81	81	81	109	101	118
Family/consumer science/human science	44	51	52	42	58	59	48	54	50	57	50
Law	56	41	76	79	88	73	68	57	53	81	77
Library science	23	30	30	36	31	25	40	35	49	38	39
Parks/sports/recreation/leisure/fitness	82	72	59	59	76	69	54	63	61	76	68
Public administration	116	104	98	111	114	129	126	118	132	127	121
Social work	304	323	308	287	338	333	308	289	280	331	326
Theology/religious education	150	150	114	104	138	129	160	150	184	173	157
Other fields, not elsewhere classified	51	36	42	62	4	6	0	9	1	17	0
Unknown field	0	1	4	3	0	0	0	0	0	0	0

na = not applicable; the field was not on questionnaire's specialties list for that year.

S&E = science and engineering.

[a] This field was "Medicinal/pharmaceutical chemistry" through 2006. It was removed from the taxonomy in 2007–13 and was reinstated in 2014 as "Medicinal chemistry."

[b] Non-science and engineering fields.

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

TABLE 14. Doctorate recipients, by sex and broad field of study: Selected years, 1984–2014

Field of study and sex	1984		1989		1994		1999		2004		2009		2014	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All fields[a]	31,334	100.0	34,325	100.0	40,880	100.0	40,923	100.0	42,121	100.0	49,519	100.0	53,906	100.0
Male	20,636	65.9	21,812	63.5	25,058	61.3	23,438	57.3	22,966	54.5	26,332	53.2	29,049	53.9
Female	10,698	34.1	12,513	36.5	15,822	38.7	17,485	42.7	19,155	45.5	23,187	46.8	24,857	46.1
Life sciences[b]	5,803	100.0	6,410	100.0	7,771	100.0	8,173	100.0	8,813	100.0	11,393	100.0	12,466	100.0
Male	4,001	68.9	3,966	61.9	4,526	58.2	4,530	55.4	4,450	50.5	5,183	45.5	5,468	43.9
Female	1,802	31.1	2,444	38.1	3,245	41.8	3,643	44.6	4,363	49.5	6,210	54.5	6,998	56.1
Physical sciences[c]	4,407	100.0	5,387	100.0	6,727	100.0	6,196	100.0	6,046	100.0	8,311	100.0	9,824	100.0
Male	3,759	85.3	4,377	81.3	5,367	79.8	4,752	76.7	4,440	73.4	5,861	70.5	7,004	71.3
Female	648	14.7	1,010	18.7	1,360	20.2	1,444	23.3	1,606	26.6	2,450	29.5	2,820	28.7
Social sciences[d]	6,087	100.0	6,149	100.0	6,807	100.0	7,265	100.0	7,043	100.0	7,827	100.0	8,632	100.0
Male	3,580	58.8	3,347	54.4	3,404	50.0	3,292	45.3	3,143	44.6	3,257	41.6	3,477	40.3
Female	2,507	41.2	2,802	45.6	3,403	50.0	3,973	54.7	3,900	55.4	4,570	58.4	5,155	59.7
Engineering	2,912	100.0	4,543	100.0	5,784	100.0	5,292	100.0	5,777	100.0	7,637	100.0	9,528	100.0
Male	2,761	94.8	4,168	91.7	5,149	89.0	4,504	85.1	4,756	82.3	6,006	78.6	7,349	77.1
Female	151	5.2	375	8.3	635	11.0	788	14.9	1,021	17.7	1,631	21.4	2,179	22.9
Education	6,808	100.0	6,280	100.0	6,702	100.0	6,538	100.0	6,634	100.0	6,527	100.0	4,783	100.0
Male	3,337	49.0	2,670	42.5	2,612	39.0	2,339	35.8	2,264	34.1	2,161	33.1	1,467	30.7
Female	3,471	51.0	3,610	57.5	4,090	61.0	4,199	64.2	4,370	65.9	4,366	66.9	3,316	69.3
Humanities	3,376	100.0	3,364	100.0	4,510	100.0	5,182	100.0	5,210	100.0	4,890	100.0	5,482	100.0
Male	1,869	55.4	1,857	55.2	2,381	52.8	2,677	51.7	2,516	48.3	2,355	48.2	2,697	49.2
Female	1,507	44.6	1,507	44.8	2,129	47.2	2,505	48.3	2,694	51.7	2,535	51.8	2,785	50.8
Other[e]	1,941	100.0	2,192	100.0	2,579	100.0	2,277	100.0	2,598	100.0	2,934	100.0	3,191	100.0
Male	1,329	68.5	1,427	65.1	1,619	62.8	1,344	59.0	1,397	53.8	1,509	51.4	1,587	49.7
Female	612	31.5	765	34.9	960	37.2	933	41.0	1,201	46.2	1,425	48.6	1,604	50.3

[a] Excludes respondents who did not report sex: 154 in 1994, 177 in 1999, 2 in 2004, 34 in 2009, and 164 in 2014.

[b] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[c] Includes mathematics and computer and information sciences.

[d] Includes psychology.

[e] Non-science and engineering fields not shown separately.

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

TABLE 15. Doctorate recipients, by sex and major field of study: 2004–14

Sex and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
All doctorate recipients[a]	42,123	43,385	45,622	48,132	48,778	49,553	48,031	48,914	50,961	52,747	54,070	28.4
Life sciences	8,813	9,310	9,704	10,702	11,086	11,403	11,258	11,462	12,029	12,303	12,504	41.9
Agricultural sciences and natural resources	1,155	1,160	1,146	1,321	1,198	1,283	1,100	1,206	1,255	1,328	1,303	12.8
Biological, biomedical sciences	5,940	6,367	6,652	7,238	7,797	8,025	8,046	8,153	8,426	8,470	8,991	51.4
Health sciences	1,718	1,783	1,906	2,143	2,091	2,095	2,112	2,103	2,348	2,505	2,210	28.6
Physical sciences	6,047	6,693	7,464	7,998	8,133	8,324	8,310	8,664	8,948	9,290	9,859	63.0
Chemistry	1,986	2,126	2,364	2,318	2,246	2,392	2,304	2,432	2,418	2,484	2,673	34.6
Computer and information sciences	948	1,129	1,453	1,654	1,787	1,610	1,664	1,713	1,843	1,901	2,072	118.6
Geosciences	686	714	757	875	865	877	862	852	841	881	989	44.2
Mathematics	1,076	1,205	1,325	1,388	1,400	1,553	1,590	1,606	1,703	1,819	1,879	74.6
Physics and astronomy	1,351	1,519	1,565	1,763	1,835	1,892	1,890	2,061	2,143	2,205	2,246	66.2
Social sciences	7,043	7,045	7,124	7,198	7,515	7,829	7,769	8,090	8,342	8,393	8,657	22.9
Anthropology	531	456	472	512	483	503	507	553	547	550	527	-0.8
Economics	959	1,061	1,029	1,004	1,091	1,118	1,073	1,121	1,243	1,184	1,194	24.5
Political science	587	618	616	588	628	682	728	685	724	803	776	32.2
Psychology	3,327	3,322	3,260	3,276	3,358	3,472	3,422	3,577	3,603	3,595	3,765	13.2
Sociology	580	536	579	576	601	662	639	657	633	636	678	16.9
Other social sciences	1,059	1,052	1,168	1,242	1,354	1,392	1,400	1,497	1,592	1,625	1,717	62.1
Engineering	5,777	6,426	7,186	7,749	7,864	7,642	7,547	7,986	8,422	8,952	9,568	65.6
Aerospace, aeronautical, and astronautical engineering	201	219	238	267	266	297	252	262	307	348	387	92.5
Chemical engineering	638	774	799	817	873	807	822	823	840	826	975	52.8
Civil engineering	547	622	655	703	713	707	643	634	496	543	622	13.7
Electrical, electronics, and communication engineering	1,389	1,547	1,786	1,967	1,888	1,693	1,778	1,886	1,940	1,897	1,957	40.9
Industrial and manufacturing engineering	217	221	234	279	280	251	215	258	226	241	298	37.3
Materials science engineering	475	493	583	646	636	625	670	662	743	815	836	76.0
Mechanical engineering	754	892	1,045	1,071	1,082	1,095	983	1,084	1,220	1,281	1,332	76.7
Other engineering	1,556	1,658	1,846	1,999	2,126	2,167	2,184	2,377	2,650	3,001	3,161	103.1
Education	6,635	6,227	6,122	6,448	6,561	6,528	5,288	4,670	4,803	4,942	4,793	-27.8
Education administration	2,342	2,167	2,051	2,161	2,238	2,146	1,439	924	1,057	966	895	-61.8
Education research	2,805	2,674	2,751	2,671	2,640	2,663	2,443	2,438	2,569	2,708	2,558	-8.8
Teacher education	270	263	250	297	274	332	245	204	156	111	153	-43.3
Teaching fields	758	663	707	873	912	906	800	805	757	892	919	21.2
Other education	460	460	363	446	497	481	361	299	264	265	268	-41.7
Humanities	5,210	5,141	5,326	5,092	4,719	4,891	4,971	5,209	5,499	5,666	5,486	5.3
Foreign languages and literature	587	607	615	607	627	598	601	644	684	702	676	15.2
History	976	924	973	937	971	1,045	1,005	1,065	1,087	1,148	1,182	21.1
Letters	1,407	1,389	1,457	1,340	1,420	1,413	1,516	1,513	1,638	1,605	1,553	10.4
Other humanities	2,240	2,221	2,281	2,208	1,701	1,835	1,849	1,987	2,090	2,211	2,075	-7.4

TABLE 15. Doctorate recipients, by sex and major field of study: 2004–14

Sex and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
Other[b]	2,598	2,543	2,696	2,945	2,900	2,936	2,888	2,833	2,918	3,201	3,203	23.3
Business management and administration	1,256	1,171	1,311	1,506	1,421	1,405	1,365	1,327	1,404	1,552	1,583	26.0
Communication	450	488	510	560	557	627	638	650	595	648	664	47.6
Non-S&E fields not elsewhere classified	892	883	871	876	922	904	885	856	919	1,001	956	7.2
Unknown field	0	1	4	3	0	0	0	0	0	0	0	-
Male	22,966	23,737	25,021	26,202	26,272	26,332	25,526	26,192	27,370	28,351	29,049	26.5
Life sciences	4,450	4,561	4,690	5,197	5,223	5,183	5,060	5,185	5,327	5,498	5,468	22.9
Agricultural sciences and natural resources	726	744	698	802	700	722	609	652	698	704	673	-7.3
Biological, biomedical sciences	3,183	3,253	3,377	3,708	3,861	3,834	3,823	3,879	3,934	3,986	4,134	29.9
Health sciences	541	564	615	687	662	627	628	654	695	808	661	22.2
Physical sciences	4,440	4,923	5,395	5,754	5,858	5,861	5,855	6,182	6,392	6,591	7,004	57.7
Chemistry	1,350	1,403	1,551	1,486	1,479	1,491	1,440	1,508	1,522	1,497	1,643	21.7
Computer and information sciences	749	905	1,142	1,322	1,387	1,260	1,312	1,350	1,464	1,554	1,657	121.2
Geosciences	448	470	490	542	548	539	496	522	496	498	580	29.5
Mathematics	771	877	932	985	966	1,067	1,123	1,144	1,219	1,291	1,336	73.3
Physics and astronomy	1,122	1,268	1,280	1,419	1,478	1,504	1,484	1,658	1,691	1,751	1,788	59.4
Social sciences	3,143	3,111	3,030	2,981	3,125	3,257	3,306	3,278	3,479	3,416	3,477	10.6
Anthropology	238	199	203	196	189	195	201	223	187	188	197	-17.2
Economics	674	741	717	684	717	735	703	734	840	768	784	16.3
Political science	391	373	396	345	367	409	434	389	420	469	433	10.7
Psychology	1,081	1,058	936	941	999	991	1,033	1,003	1,040	999	1,072	-0.8
Sociology	240	201	216	216	235	263	250	254	230	259	248	3.3
Other social sciences	519	539	562	599	618	664	685	675	762	733	743	43.2
Engineering	4,756	5,226	5,729	6,141	6,168	6,006	5,803	6,204	6,523	6,902	7,349	54.5
Aerospace, aeronautical, and astronautical engineering	177	190	212	236	238	255	215	228	268	293	331	87.0
Chemical engineering	488	590	583	620	641	591	574	566	583	567	684	40.2
Civil engineering	461	503	538	538	568	559	473	486	389	417	470	2.0
Electrical, electronics, and communication engineering	1,195	1,338	1,535	1,662	1,568	1,433	1,462	1,579	1,596	1,616	1,618	35.4
Industrial and manufacturing engineering	174	177	167	201	201	186	159	180	164	176	209	20.1
Materials science engineering	390	380	430	482	482	466	495	496	556	598	619	58.7
Mechanical engineering	670	778	901	940	930	942	858	934	1,042	1,085	1,128	68.4
Other engineering	1,201	1,270	1,363	1,462	1,540	1,574	1,567	1,735	1,925	2,150	2,290	90.7
Education	2,264	2,065	2,130	2,103	2,158	2,161	1,662	1,432	1,500	1,573	1,467	-35.2
Education administration	908	844	839	805	892	838	547	349	389	373	371	-59.1
Education research	845	809	866	816	763	819	706	699	761	828	721	-14.7
Teacher education	72	63	63	72	58	92	59	38	43	22	35	-51.4
Teaching fields	263	205	248	281	289	275	234	250	229	275	267	1.5
Other education	176	144	114	129	156	137	116	96	78	75	73	-58.5

TABLE 15. Doctorate recipients, by sex and major field of study: 2004–14

Sex and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
Humanities	2,516	2,549	2,651	2,580	2,256	2,355	2,402	2,527	2,654	2,762	2,697	7.2
Foreign languages and literature	220	240	236	237	220	224	218	248	238	271	248	12.7
History	568	539	575	553	561	608	556	586	603	632	661	16.4
Letters	569	558	618	569	527	524	625	616	659	665	659	15.8
Other humanities	1,159	1,212	1,222	1,221	948	999	1,003	1,077	1,154	1,194	1,129	-2.6
Other[b]	1,397	1,302	1,396	1,446	1,484	1,509	1,438	1,384	1,495	1,609	1,587	13.6
Business management and administration	800	696	798	863	861	872	813	792	837	909	907	13.4
Communication	185	214	220	209	232	263	247	233	244	246	278	50.3
Non-S&E fields not elsewhere classified	412	392	377	374	391	374	378	359	414	454	402	-2.4
Unknown field	0	0	1	0	0	0	0	0	0	0	0	-
Female	19,155	19,582	20,560	21,904	22,495	23,187	22,489	22,700	23,535	24,384	24,857	29.8
Life sciences	4,363	4,735	5,007	5,497	5,859	6,210	6,193	6,274	6,686	6,802	6,998	60.4
Agricultural sciences and natural resources	429	413	448	516	498	559	490	554	554	624	629	46.6
Biological, biomedical sciences	2,757	3,106	3,271	3,529	3,934	4,185	4,219	4,272	4,482	4,481	4,825	75.0
Health sciences	1,177	1,216	1,288	1,452	1,427	1,466	1,484	1,448	1,650	1,697	1,544	31.2
Physical sciences	1,606	1,763	2,064	2,242	2,273	2,450	2,454	2,476	2,548	2,696	2,820	75.6
Chemistry	635	723	810	832	767	895	864	922	895	985	1,020	60.6
Computer and information sciences	199	221	311	332	400	349	352	361	379	347	407	104.5
Geosciences	238	244	266	333	316	338	366	330	345	382	408	71.4
Mathematics	305	326	393	402	433	483	467	460	481	528	535	75.4
Physics and astronomy	229	249	284	343	357	385	405	403	448	454	450	96.5
Social sciences	3,900	3,929	4,089	4,214	4,390	4,570	4,462	4,811	4,859	4,975	5,155	32.2
Anthropology	293	256	269	316	294	308	306	330	360	362	330	12.6
Economics	285	318	310	319	374	382	369	387	402	416	404	41.8
Political science	196	245	220	242	261	272	294	296	303	333	342	74.5
Psychology	2,246	2,263	2,322	2,335	2,359	2,481	2,389	2,574	2,562	2,595	2,678	19.2
Sociology	340	335	363	360	366	399	389	403	402	377	430	26.5
Other social sciences	540	512	605	642	736	728	715	821	830	892	971	79.8
Engineering	1,021	1,182	1,452	1,605	1,693	1,631	1,741	1,774	1,882	2,048	2,179	113.4
Aerospace, aeronautical, and astronautical engineering	24	29	25	31	28	41	37	34	39	55	55	129.2
Chemical engineering	150	183	216	197	232	216	248	256	256	259	290	93.3
Civil engineering	86	118	117	165	145	148	169	147	106	126	147	70.9
Electrical, electronics, and communication engineering	194	205	250	304	319	260	315	301	336	279	326	68.0
Industrial and manufacturing engineering	43	41	67	78	79	65	55	78	62	65	89	107.0
Materials science engineering	85	112	152	164	154	159	175	166	184	217	213	150.6
Mechanical engineering	84	114	144	131	152	152	125	150	177	196	197	134.5
Other engineering	355	380	481	535	584	590	617	642	722	851	862	142.8
Education	4,370	4,152	3,985	4,344	4,402	4,366	3,624	3,234	3,299	3,369	3,316	-24.1
Education administration	1,434	1,319	1,211	1,356	1,346	1,308	892	574	665	593	524	-63.5

TABLE 15. Doctorate recipients, by sex and major field of study: 2004–14

Sex and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
Education research	1,959	1,862	1,884	1,854	1,876	1,844	1,736	1,736	1,808	1,880	1,828	-6.7
Teacher education	198	199	186	225	216	240	186	166	113	89	118	-40.4
Teaching fields	495	457	457	592	623	630	566	555	527	617	651	31.5
Other education	284	315	247	317	341	344	244	203	186	190	195	-31.3
Humanities	2,694	2,586	2,670	2,510	2,463	2,535	2,568	2,682	2,843	2,903	2,785	3.4
Foreign languages and literature	367	366	379	370	407	374	382	396	446	431	426	16.1
History	408	384	398	384	410	437	449	479	484	516	520	27.5
Letters	838	831	839	771	893	888	891	897	978	940	894	6.7
Other humanities	1,081	1,005	1,054	985	753	836	846	910	935	1,016	945	-12.6
Other[b]	1,201	1,235	1,293	1,492	1,415	1,425	1,447	1,449	1,418	1,591	1,604	33.6
Business management and administration	456	471	507	638	560	533	550	535	564	642	670	46.9
Communication	265	273	290	351	325	364	390	417	350	402	383	44.5
Non-S&E fields not elsewhere classified	480	490	493	500	530	528	507	497	504	547	551	14.8
Unknown field	0	1	3	3	0	0	0	0	0	0	0	-

- = no value possible; percent change could not be calculated because there were no doctorate recipients with unknown field in 2004.

S&E = science and engineering.

[a] Includes respondents who did not report sex: 2 in 2004, 66 in 2005, 41 in 2006, 26 in 2007, 11 in 2008, 34 in 2009, 16 in 2010, 22 in 2011, 56 in 2012, 12 in 2013, and 164 in 2014.

[b] Non-science and engineering fields.

NOTE: See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

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

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total[a]	Male	Female	% female
All fields	54,070	29,049	24,857	46.0
Life sciences	12,504	5,468	6,998	56.0
Agricultural sciences and natural resources	1,303	673	629	48.3
Agricultural economics	96	58	38	39.6
Agronomy, horticulture science, plant breeding, plant pathology, plant sciences-other	320	181	139	43.4
Animal nutrition, poultry science	75	39	36	48.0
Animal science, other	102	44	58	56.9
Environmental science	214	101	113	52.8
Fishing and fisheries sciences/management	52	37	15	28.8
Food science, food technology-other	131	46	84	64.1
Forest biology, forest management, wood science, forestry sciences-other	75	46	29	38.7
Natural resources/conservation	71	31	40	56.3
Soil chemistry, soil sciences-other	66	36	30	45.5
Wildlife/range management	29	22	7	24.1
Agricultural sciences/natural resources, aggregated	72	32	40	55.6
Biological, biomedical sciences	8,991	4,134	4,825	53.7
Anatomy, developmental biology	213	84	126	59.2
Bacteriology, parasitology	51	26	25	49.0
Biochemistry	820	411	405	49.4
Bioinformatics	185	127	58	31.4
Biomedical sciences	439	197	239	54.4
Biometrics and biostatistics	165	69	95	57.6
Biophysics (biology)	186	114	71	38.2
Botany, plant pathology, plant physiology	139	67	72	51.8
Cancer biology	457	177	276	60.4
Cell/cellular biology and histology	331	150	181	54.7
Computational biology	117	80	37	31.6
Ecology	450	205	245	54.4
Endocrinology, human/animal pathology	125	55	70	56.0
Entomology	114	65	49	43.0
Environmental toxicology, toxicology	166	68	98	59.0
Epidemiology	292	98	193	66.1
Evolutionary biology	215	112	103	47.9
Genetics-human/animal, plant genetics	450	202	248	55.1
Immunology	452	184	267	59.1
Marine biology and biological oceanography	111	43	68	61.3
Microbiology	466	191	274	58.8
Molecular biology	673	311	358	53.2
Neurosciences and neurobiology	1,052	520	530	50.4
Nutrition sciences	175	32	143	81.7
Pharmacology, human and animal	294	136	158	53.7
Physiology, human and animal	208	99	108	51.9
Structural biology	60	40	20	33.3
Virology	162	83	79	48.8
Wildlife biology	36	21	15	41.7
Zoology	33	11	22	66.7
Biology/biomedical sciences, general	242	101	138	57.0
Biotechnology, biology/biomedical sciences-other	112	55	54	48.2
Health sciences	2,210	661	1,544	69.9
Environmental health, public health	476	144	330	69.3
Health and behavior	87	15	72	82.8
Health policy analysis	50	11	39	78.0
Health systems/services administration	89	31	58	65.2
Kinesiology/exercise physiology	250	132	118	47.2

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total[a]	Male	Female	% female
Nursing science	567	44	523	92.2
Pharmaceutical sciences	278	143	132	47.5
Rehabilitation/therapeutic services	83	34	49	59.0
Speech-language pathology and audiology	114	22	92	80.7
Health sciences, aggregated	216	85	131	60.6
Physical sciences	9,859	7,004	2,820	28.6
Astronomy	290	208	81	27.9
Astronomy	113	76	36	31.9
Astrophysics	171	129	42	24.6
Astronomy, other	6	3	3	50.0
Atmospheric science and meteorology	200	129	70	35.0
Atmospheric physics, meteorology	83	59	24	28.9
Atmospheric chemistry, atmospheric sciences-general, atmospheric sciences-other	117	70	46	39.3
Chemistry	2,673	1,643	1,020	38.2
Analytical chemistry	416	222	194	46.6
Inorganic chemistry	373	219	154	41.3
Medicinal chemistry	86	56	28	32.6
Organic chemistry	604	414	188	31.1
Physical chemistry	341	234	107	31.4
Polymer chemistry	127	88	39	30.7
Theoretical chemistry	103	73	30	29.1
Chemistry, general	414	233	175	42.3
Chemistry, other	209	104	105	50.2
Computer and information sciences	2,072	1,657	407	19.6
Computer science	1,668	1,365	298	17.9
Information science and systems	151	93	57	37.7
Robotics	81	73	8	9.9
Computer and information science, general	94	73	20	21.3
Computer and information science, other	78	53	24	30.8
Geological and earth sciences	581	330	251	43.2
Geochemistry, mineralogy	101	44	57	56.4
Geology	131	73	58	44.3
Geomorphology, geological sciences-general, geological sciences-other	146	87	59	40.4
Geophysics and seismology	150	102	48	32.0
Paleontology, stratigraphy	53	24	29	54.7
Mathematics	1,879	1,336	535	28.5
Algebra	173	129	44	25.4
Analysis and functional analysis	137	102	35	25.5
Applied mathematics, computing theory	495	363	130	26.3
Geometry/geometric analysis	120	101	19	15.8
Logic, topology/foundations	104	82	22	21.2
Number theory	83	66	17	20.5
Operations research, mathematics/statistics-general, mathematics/statistics-other	359	238	115	32.0
Statistics (mathematics)	408	255	153	37.5
Ocean/marine sciences	208	121	87	41.8
Oceanography, chemical and physical	88	48	40	45.5
Ocean/marine sciences, aggregated	120	73	47	39.2
Physics	1,956	1,580	369	18.9
Acoustics, optics/photonics	212	168	44	20.8
Applied physics	156	116	39	25.0

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total[a]	Male	Female	% female
Atomic physics, polymer physics	165	140	25	15.2
Biophysics (physics)	131	100	30	22.9
Condensed matter/low temperature physics	391	322	68	17.4
Medical physics/radiological science	103	82	20	19.4
Nuclear physics	103	85	17	16.5
Particle (elementary) physics	245	215	30	12.2
Plasma/fusion physics	83	63	19	22.9
Physics, general	231	182	48	20.8
Physics, other	136	107	29	21.3
Psychology and social sciences	8,657	3,477	5,155	59.5
Psychology	3,765	1,072	2,678	71.1
Behavioral analysis	51	19	32	62.7
Clinical psychology	1,244	283	952	76.5
Cognitive psychology and psycholinguistics	202	96	105	52.0
Counseling	382	108	274	71.7
Developmental and child psychology	244	40	204	83.6
Educational psychology (psychology)	64	21	43	67.2
Experimental psychology	143	66	77	53.8
Family psychology, human development and family studies	185	40	145	78.4
Health and medical psychology	79	15	64	81.0
Industrial and organizational psychology	208	85	120	57.7
Neuropsychology/physiological psychology	122	46	76	62.3
School psychology (psychology)	111	13	97	87.4
Social psychology	242	81	161	66.5
Psychology, general	280	88	191	68.2
Psychology, aggregated	208	71	137	65.9
Social sciences	4,892	2,405	2,477	50.6
Anthropology, cultural	268	96	172	64.2
Anthropology, physical and biological	73	25	48	65.8
Anthropology, general	186	76	110	59.1
Economics, econometrics	1,145	757	382	33.4
Natural resource/environmental economics (social sciences)	49	27	22	44.9
Political science and government	776	433	342	44.1
Sociology	678	248	430	63.4
Other social sciences	1,717	743	971	56.6
Area/ethnic/cultural studies	90	36	53	58.9
Criminal justice and corrections	80	37	43	53.8
Criminology	79	29	50	63.3
Demography, gerontology, statistics, urban affairs, social sciences-general, social sciences-other	332	129	202	60.8
Gender and women's studies	41	7	34	82.9
Geography	291	139	152	52.2
International relations/affairs	104	67	37	35.6
Linguistics	277	109	167	60.3
Natural resource/environmental policy	36	17	19	52.8
Public policy analysis	276	122	154	55.8
Urban/city, community and regional planning	111	51	60	54.1
Engineering	9,568	7,349	2,179	22.8
Aerospace, aeronautical, and astronautical engineering	387	331	55	14.2
Chemical engineering	975	684	290	29.7
Civil engineering	622	470	147	23.6
Electrical, electronics, and communications engineering	1,957	1,618	326	16.7
Industrial and manufacturing engineering	298	209	89	29.9
Materials science engineering	836	619	213	25.5
Mechanical engineering	1,332	1,128	197	14.8

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total[a]	Male	Female	% female
Other engineering	3,161	2,290	862	27.3
Bioengineering and biomedical engineering	1,049	661	386	36.8
Computer engineering	467	406	61	13.1
Environmental health engineering	270	147	123	45.6
Nuclear engineering	156	130	25	16.0
Structural engineering	101	87	14	13.9
Systems engineering	95	75	20	21.1
Other engineering, aggregated	1,023	784	233	22.8
Education	4,793	1,467	3,316	69.2
Education administration	895	371	524	58.5
Education and human resource studies/development	62	25	37	59.7
Educational administration and supervision	172	78	94	54.7
Educational leadership	605	252	353	58.3
Urban education and leadership	56	16	40	71.4
Education research	2,558	721	1,828	71.5
Counseling education/counseling and guidance	229	58	171	74.7
Curriculum and instruction	549	132	416	75.8
Educational assessment/testing/measurement	54	19	35	64.8
Educational policy analysis	155	50	104	67.1
Educational psychology (education)	259	71	186	71.8
Educational statistics/research methods	75	29	46	61.3
Educational/instructional technology, media design	207	77	130	62.8
Higher education/evaluation and research	447	164	282	63.1
International education	70	22	45	64.3
School psychology (education)	145	25	120	82.8
Social/philosophical foundations of education	92	30	62	67.4
Special education	276	44	231	83.7
Teacher education	153	35	118	77.1
Teaching fields	919	267	651	70.8
English as a second or foreign language	58	20	38	65.5
Health education	43	10	33	76.7
Literacy and reading education	128	19	109	85.2
Mathematics education	143	50	93	65.0
Music education	104	49	55	52.9
Physical education and coaching	36	13	23	63.9
Science education	112	27	85	75.9
Teaching fields, aggregated	295	79	215	72.9
Other education	268	73	195	72.8
Education, general	135	34	101	74.8
Other education, aggregated	133	39	94	70.7
Humanities	5,486	2,697	2,785	50.8
Foreign languages and literature	676	248	426	63.0
French, Italian	179	61	118	65.9
German	84	40	44	52.4
Latin American	83	26	56	67.5
Spanish	182	68	114	62.6
Other aggregated languages	148	53	94	63.5
History	1,182	661	520	44.0
American history (U.S. and Canada)	431	254	177	41.1
Asian history	78	44	34	43.6
European history	229	123	106	46.3
History, science and technology and society	78	39	39	50.0
Latin American history	73	49	24	32.9
Middle/Near East studies	68	33	34	50.0

TABLE 16. Doctorate recipients, by sex and subfield of study: 2014

Subfield of study	Total[a]	Male	Female	% female
History, general	121	71	50	41.3
History, aggregated	104	48	56	53.8
Letters	1,553	659	894	57.6
American literature (U.S. and Canada)	350	156	194	55.4
Classics	91	52	39	42.9
Comparative literature	196	88	108	55.1
English language	149	67	82	55.0
English literature (British and Commonwealth)	393	150	243	61.8
Rhetoric and composition	210	81	129	61.4
Speech and rhetorical studies	29	15	14	48.3
Letters, aggregated	135	50	85	63.0
Other humanities	2,075	1,129	945	45.5
American/U.S. studies	121	47	74	61.2
Archaeology	105	51	54	51.4
Art history/criticism/conservation	262	56	206	78.6
Drama/theater arts	104	41	63	60.6
Film/cinema/video studies	72	35	37	51.4
Music	65	40	24	36.9
Musicology/ethnomusicology	140	73	67	47.9
Music performance	77	40	37	48.1
Music theory and composition	104	80	24	23.1
Philosophy, ethics	479	339	140	29.2
Religion/religious studies, Jewish/Judaic studies	319	213	106	33.2
Other humanities, aggregated	227	114	113	49.8
Other[b]	3,203	1,587	1,604	50.1
Business management and administration	1,583	907	670	42.3
Accounting	198	111	87	43.9
Business administration and management	242	136	105	43.4
Finance	264	191	73	27.7
Human resources development	65	30	35	53.8
Management information systems/business statistics	101	74	27	26.7
Marketing management and research	152	80	71	46.7
Organizational behavior	212	92	119	56.1
Other aggregated business fields	349	193	153	43.8
Communication	664	278	383	57.7
Communication research	150	56	94	62.7
Mass communication/media studies	250	116	132	52.8
Communication, general	123	46	76	61.8
Communication, aggregated	141	60	81	57.4
Non-S&E fields not elsewhere classified	956	402	551	57.6
Architecture/environmental design	118	66	52	44.1
Family/consumer science/human science	50	6	44	88.0
Parks/sports/recreation/leisure/fitness	68	31	37	54.4
Public administration	121	65	56	46.3
Social work	326	66	260	79.8
Theology/religious education	157	108	49	31.2
Fields not elsewhere classified, aggregated	116	60	53	45.7

S&E = science and engineering.

[a] Includes 164 respondents who did not report sex.

[b] Non-science and engineering fields.

NOTE: See table A-5 in the technical notes for a listing of aggregated fields and their constituent fine fields.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 17. Doctorate recipients, by citizenship status and broad field of study: Selected years, 1984–2014

Field of study and citizenship status	1984	1989	1994	1999	2004	2009	2014
All fields	31,334	34,325	41,034	41,100	42,123	49,553	54,070
U.S. citizen or permanent resident	25,296	25,057	30,904	30,312	28,039	32,327	34,005
Temporary visa holder	4,897	6,677	9,421	9,060	11,629	14,737	15,852
Unknown	1,141	2,591	709	1,728	2,455	2,489	4,213
Life sciences[a]	5,803	6,410	7,800	8,204	8,813	11,403	12,504
U.S. citizen or permanent resident	4,809	4,864	5,871	5,810	6,082	7,803	8,438
Temporary visa holder	825	1,166	1,849	2,137	2,316	3,097	3,156
Unknown	169	380	80	257	415	503	910
Physical sciences[b]	4,407	5,387	6,761	6,224	6,047	8,324	9,859
U.S. citizen or permanent resident	3,295	3,454	4,561	3,834	3,258	4,420	5,061
Temporary visa holder	999	1,530	2,086	2,118	2,560	3,533	4,094
Unknown	113	403	114	272	229	371	704
Social sciences[c]	6,087	6,149	6,835	7,291	7,043	7,829	8,657
U.S. citizen or permanent resident	5,088	4,650	5,516	5,850	5,241	5,618	6,268
Temporary visa holder	700	887	1,137	1,054	1,300	1,708	1,553
Unknown	299	612	182	387	502	503	836
Engineering	2,912	4,543	5,820	5,330	5,777	7,642	9,568
U.S. citizen or permanent resident	1,515	2,232	3,054	2,892	2,190	3,166	4,029
Temporary visa holder	1,289	1,946	2,652	2,191	3,312	4,221	4,936
Unknown	108	365	114	247	275	255	603
Education	6,808	6,280	6,711	6,554	6,635	6,528	4,793
U.S. citizen or permanent resident	6,051	5,411	6,066	5,817	5,452	5,584	3,931
Temporary visa holder	548	458	537	517	627	567	478
Unknown	209	411	108	220	556	377	384
Humanities	3,376	3,364	4,521	5,210	5,210	4,891	5,486
U.S. citizen or permanent resident	3,009	2,824	3,900	4,442	4,233	3,888	4,360
Temporary visa holder	207	293	544	552	737	727	705
Unknown	160	247	77	216	240	276	421
Other[d]	1,941	2,192	2,586	2,287	2,598	2,936	3,203
U.S. citizen or permanent resident	1,529	1,622	1,936	1,667	1,583	1,848	1,918
Temporary visa holder	329	397	616	491	777	884	930
Unknown	83	173	34	129	238	204	355

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

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

TABLE 18. Doctorate recipients, by citizenship status and major field of study: 2004–14

Citizenship status and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
All doctorate recipients[a]	42,123	43,385	45,622	48,132	48,778	49,553	48,031	48,914	50,961	52,747	54,070	28.4
Life sciences	8,813	9,310	9,704	10,702	11,086	11,403	11,258	11,462	12,029	12,303	12,504	41.9
Agricultural sciences and natural resources	1,155	1,160	1,146	1,321	1,198	1,283	1,100	1,206	1,255	1,328	1,303	12.8
Biological, biomedical sciences	5,940	6,367	6,652	7,238	7,797	8,025	8,046	8,153	8,426	8,470	8,991	51.4
Health sciences	1,718	1,783	1,906	2,143	2,091	2,095	2,112	2,103	2,348	2,505	2,210	28.6
Physical sciences	6,047	6,693	7,464	7,998	8,133	8,324	8,310	8,664	8,948	9,290	9,859	63.0
Chemistry	1,986	2,126	2,364	2,318	2,246	2,392	2,304	2,432	2,418	2,484	2,673	34.6
Computer and information sciences	948	1,129	1,453	1,654	1,787	1,610	1,664	1,713	1,843	1,901	2,072	118.6
Geosciences	686	714	757	875	865	877	862	852	841	881	989	44.2
Mathematics	1,076	1,205	1,325	1,388	1,400	1,553	1,590	1,606	1,703	1,819	1,879	74.6
Physics and astronomy	1,351	1,519	1,565	1,763	1,835	1,892	1,890	2,061	2,143	2,205	2,246	66.2
Social sciences	7,043	7,045	7,124	7,198	7,515	7,829	7,769	8,090	8,342	8,393	8,657	22.9
Anthropology	531	456	472	512	483	503	507	553	547	550	527	-0.8
Economics	959	1,061	1,029	1,004	1,091	1,118	1,073	1,121	1,243	1,184	1,194	24.5
Political science	587	618	616	588	628	682	728	685	724	803	776	32.2
Psychology	3,327	3,322	3,260	3,276	3,358	3,472	3,422	3,577	3,603	3,595	3,765	13.2
Sociology	580	536	579	576	601	662	639	657	633	636	678	16.9
Other social sciences	1,059	1,052	1,168	1,242	1,354	1,392	1,400	1,497	1,592	1,625	1,717	62.1
Engineering	5,777	6,426	7,186	7,749	7,864	7,642	7,547	7,986	8,422	8,952	9,568	65.6
Aerospace, aeronautical, and astronautical engineering	201	219	238	267	266	297	252	262	307	348	387	92.5
Chemical engineering	638	774	799	817	873	807	822	823	840	826	975	52.8
Civil engineering	547	622	655	703	713	707	643	634	496	543	622	13.7
Electrical, electronics, and communication engineering	1,389	1,547	1,786	1,967	1,888	1,693	1,778	1,886	1,940	1,897	1,957	40.9
Industrial and manufacturing engineering	217	221	234	279	280	251	215	258	226	241	298	37.3
Materials science engineering	475	493	583	646	636	625	670	662	743	815	836	76.0
Mechanical engineering	754	892	1,045	1,071	1,082	1,095	983	1,084	1,220	1,281	1,332	76.7
Other engineering	1,556	1,658	1,846	1,999	2,126	2,167	2,184	2,377	2,650	3,001	3,161	103.1
Education	6,635	6,227	6,122	6,448	6,561	6,528	5,288	4,670	4,803	4,942	4,793	-27.8
Education administration	2,342	2,167	2,051	2,161	2,238	2,146	1,439	924	1,057	966	895	-61.8
Education research	2,805	2,674	2,751	2,671	2,640	2,663	2,443	2,438	2,569	2,708	2,558	-8.8
Teacher education	270	263	250	297	274	332	245	204	156	111	153	-43.3
Teaching fields	758	663	707	873	912	906	800	805	757	892	919	21.2
Other education	460	460	363	446	497	481	361	299	264	265	268	-41.7
Humanities	5,210	5,141	5,326	5,092	4,719	4,891	4,971	5,209	5,499	5,666	5,486	5.3
Foreign languages and literature	587	607	615	607	627	598	601	644	684	702	676	15.2
History	976	924	973	937	971	1,045	1,005	1,065	1,087	1,148	1,182	21.1
Letters	1,407	1,389	1,457	1,340	1,420	1,413	1,516	1,513	1,638	1,605	1,553	10.4
Other humanities	2,240	2,221	2,281	2,208	1,701	1,835	1,849	1,987	2,090	2,211	2,075	-7.4

TABLE 18. Doctorate recipients, by citizenship status and major field of study: 2004–14

Citizenship status and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
Other[b]	2,598	2,543	2,696	2,945	2,900	2,936	2,888	2,833	2,918	3,201	3,203	23.3
Business management and administration	1,256	1,171	1,311	1,506	1,421	1,405	1,365	1,327	1,404	1,552	1,583	26.0
Communication	450	488	510	560	557	627	638	650	595	648	664	47.6
Non-S&E fields not elsewhere classified	892	883	871	876	922	904	885	856	919	1,001	956	7.2
Unknown field	0	1	4	3	0	0	0	0	0	0	0	-
U.S. citizen or permanent resident	28,039	27,945	29,028	29,501	30,844	32,327	31,603	31,726	32,983	33,978	34,005	21.3
Life sciences	6,082	6,282	6,506	7,009	7,279	7,803	7,775	7,848	8,250	8,448	8,438	38.7
Agricultural sciences and natural resources	611	599	631	686	647	712	618	697	675	740	728	19.1
Biological, biomedical sciences	4,206	4,392	4,504	4,833	5,141	5,528	5,585	5,614	5,874	5,857	6,097	45.0
Health sciences	1,265	1,291	1,371	1,490	1,491	1,563	1,572	1,537	1,701	1,851	1,613	27.5
Physical sciences	3,258	3,355	3,686	3,808	4,044	4,420	4,521	4,724	4,777	4,875	5,061	55.3
Chemistry	1,185	1,212	1,276	1,190	1,231	1,391	1,323	1,407	1,386	1,444	1,447	22.1
Computer and information sciences	448	468	588	639	697	734	786	819	818	786	848	89.3
Geosciences	438	444	473	551	536	559	573	555	539	569	627	43.2
Mathematics	511	543	619	602	673	772	838	813	842	873	934	82.8
Physics and astronomy	676	688	730	826	907	964	1,001	1,130	1,192	1,203	1,205	78.3
Social sciences	5,241	5,157	5,280	5,173	5,491	5,618	5,696	5,958	6,190	6,301	6,268	19.6
Anthropology	445	358	404	410	400	403	384	455	445	456	407	-8.5
Economics	359	344	356	327	405	418	459	428	517	506	468	30.4
Political science	471	459	459	425	441	483	522	488	536	594	571	21.2
Psychology	2,796	2,894	2,825	2,780	2,892	2,908	2,874	3,063	3,047	3,067	3,046	8.9
Sociology	455	417	472	440	463	506	519	511	512	516	540	18.7
Other social sciences	715	685	764	791	890	900	938	1,013	1,133	1,162	1,236	72.9
Engineering	2,190	2,288	2,500	2,546	2,958	3,166	3,307	3,321	3,546	3,741	4,029	84.0
Aerospace, aeronautical, and astronautical engineering	77	98	90	118	122	160	141	145	181	194	246	219.5
Chemical engineering	295	306	359	310	396	411	433	393	377	366	447	51.5
Civil engineering	178	192	195	221	207	262	231	216	160	182	229	28.7
Electrical, electronics, and communication engineering	433	480	478	492	558	578	627	617	613	603	577	33.3
Industrial and manufacturing engineering	77	75	69	73	90	70	62	100	75	77	91	18.2
Materials science engineering	197	177	216	251	266	254	313	278	350	349	364	84.8
Mechanical engineering	273	301	353	332	371	421	403	440	505	548	558	104.4
Other engineering	660	659	740	749	948	1,010	1,097	1,132	1,285	1,422	1,517	129.8
Education	5,452	5,255	5,171	5,358	5,584	5,584	4,477	3,878	4,039	4,122	3,931	-27.9
Education administration	1,989	1,950	1,861	1,927	2,025	1,979	1,296	833	936	843	762	-61.7
Education research	2,343	2,263	2,314	2,178	2,207	2,230	2,059	1,989	2,142	2,220	2,101	-10.3
Teacher education	216	211	198	238	236	260	203	156	134	92	133	-38.4
Teaching fields	586	516	531	675	721	743	647	679	613	740	733	25.1
Other education	318	315	267	340	395	372	272	221	214	227	202	-36.5

TABLE 18. Doctorate recipients, by citizenship status and major field of study: 2004–14

Citizenship status and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
Humanities	4,233	4,026	4,249	3,908	3,743	3,888	4,025	4,189	4,396	4,531	4,360	3.0
Foreign languages and literature	433	400	413	402	389	385	389	426	472	468	470	8.5
History	858	779	845	791	802	880	843	893	890	946	965	12.5
Letters	1,197	1,180	1,234	1,086	1,199	1,169	1,287	1,288	1,383	1,352	1,303	8.9
Other humanities	1,745	1,667	1,757	1,629	1,353	1,454	1,506	1,582	1,651	1,765	1,622	-7.0
Other[b]	1,583	1,582	1,636	1,699	1,745	1,848	1,802	1,808	1,785	1,960	1,918	21.2
Business management and administration	647	631	673	743	703	780	745	755	736	831	847	30.9
Communication	325	334	360	382	402	443	468	473	426	471	474	45.8
Non-S&E fields not elsewhere classified	611	617	603	574	640	625	589	580	623	658	597	-2.3
Unknown field	0	0	0	0	0	0	0	0	0	0	0	-
Temporary visa holder	11,629	12,832	14,198	15,123	15,261	14,737	13,636	14,235	14,784	15,684	15,852	36.3
Life sciences	2,316	2,553	2,723	3,039	3,252	3,097	2,909	3,008	3,190	3,169	3,156	36.3
Agricultural sciences and natural resources	480	484	463	538	492	509	412	472	529	517	498	3.8
Biological, biomedical sciences	1,471	1,681	1,857	2,030	2,302	2,190	2,084	2,124	2,181	2,170	2,241	52.3
Health sciences	365	388	403	471	458	398	413	412	480	482	417	14.2
Physical sciences	2,560	2,988	3,438	3,650	3,683	3,533	3,353	3,438	3,605	3,915	4,094	59.9
Chemistry	723	801	956	951	879	890	847	907	880	887	1,002	38.6
Computer and information sciences	459	598	797	897	1,005	791	766	772	887	1,019	1,067	132.5
Geosciences	225	234	244	283	293	295	251	246	266	275	314	39.6
Mathematics	528	602	665	694	651	713	686	690	747	845	819	55.1
Physics and astronomy	625	753	776	825	855	844	803	823	825	889	892	42.7
Social sciences	1,300	1,458	1,483	1,475	1,611	1,708	1,548	1,578	1,586	1,620	1,553	19.5
Anthropology	62	67	43	68	63	81	88	73	74	76	88	41.9
Economics	551	668	612	600	621	656	556	623	656	616	626	13.6
Political science	88	130	135	127	160	178	162	150	150	163	145	64.8
Psychology	189	209	247	233	249	258	270	238	254	282	251	32.8
Sociology	103	84	96	95	119	139	95	113	85	92	92	-10.7
Other social sciences	307	300	350	352	399	396	377	381	367	391	351	14.3
Engineering	3,312	3,756	4,295	4,591	4,492	4,221	3,860	4,151	4,338	4,734	4,936	49.0
Aerospace, aeronautical, and astronautical engineering	116	115	117	118	127	126	99	100	107	138	124	6.9
Chemical engineering	306	408	400	449	439	383	359	379	414	410	483	57.8
Civil engineering	351	402	416	437	468	419	378	373	303	334	340	-3.1
Electrical, electronics, and communication engineering	871	983	1,222	1,298	1,219	1,050	1,040	1,109	1,181	1,160	1,218	39.8
Industrial and manufacturing engineering	135	128	144	171	175	175	142	152	140	156	185	37.0
Materials science engineering	259	289	335	361	339	352	326	350	334	435	421	62.5
Mechanical engineering	456	543	649	671	651	646	519	568	631	666	688	50.9
Other engineering	818	888	1,012	1,086	1,074	1,070	997	1,120	1,228	1,435	1,477	80.6

TABLE 18. Doctorate recipients, by citizenship status and major field of study: 2004–14

Citizenship status and major field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	% change 2004–14
Education	627	536	611	601	567	567	478	497	460	515	478	-23.8
Education administration	90	78	74	63	61	47	35	41	46	44	39	-56.7
Education research	316	283	335	321	303	315	277	294	278	319	265	-16.1
Teacher education	30	29	32	27	27	32	19	26	13	17	14	-53.3
Teaching fields	151	109	123	151	136	119	112	96	101	116	134	-11.3
Other education	40	37	47	39	40	54	35	40	22	19	26	-35.0
Humanities	737	796	777	790	698	727	647	750	738	755	705	-4.3
Foreign languages and literature	127	173	175	170	190	183	179	180	160	179	142	11.8
History	85	102	97	101	122	131	113	131	136	134	146	71.8
Letters	143	151	160	153	145	158	134	157	141	150	140	-2.1
Other humanities	382	370	345	366	241	255	221	282	301	292	277	-27.5
Other[b]	777	745	871	977	958	884	841	813	867	976	930	19.7
Business management and administration	475	449	537	634	619	530	499	477	542	600	587	23.6
Communication	107	128	125	135	116	145	131	132	107	134	137	28.0
Non-S&E fields not elsewhere classified	195	168	209	208	223	209	211	204	218	242	206	5.6
Unknown field	0	0	0	0	0	0	0	0	0	0	0	-

- = no value possible; percent change could not be calculated because there were no doctorate recipients with unknown field in 2004.

S&E = science and engineering.

[a] Includes respondents who did not report citizenship status: 2,455 in 2004; 2,608 in 2005; 2,396 in 2006; 3,508 in 2007; 2,673 in 2008; 2,489 in 2009; 2,792 in 2010; 2,953 in 2011; 3,194 in 2012; 3,085 in 2013; and 4,213 in 2014.

[b] Non-science and engineering fields.

NOTE: See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

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

TABLE 19. Doctorate recipients, by ethnicity, race, and citizenship status: 2004–14

Ethnicity, race, and citizenship status	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
All doctorate recipients	42,123	43,385	45,622	48,132	48,778	49,553	48,031	48,914	50,961	52,747	54,070
U.S. citizen or permanent resident	28,039	27,945	29,028	29,501	30,844	32,327	31,603	31,726	32,983	33,978	34,005
Temporary visa holder	11,629	12,832	14,198	15,123	15,261	14,737	13,636	14,235	14,784	15,684	15,852
Unknown citizenship	2,455	2,608	2,396	3,508	2,673	2,489	2,792	2,953	3,194	3,085	4,213
Hispanic or Latino	2,025	2,282	2,330	2,544	2,710	2,815	2,703	2,916	3,064	3,074	3,157
U.S. citizen or permanent resident	1,301	1,435	1,532	1,655	1,773	1,880	1,843	1,990	2,144	2,136	2,196
Temporary visa holder	710	843	786	869	932	924	849	922	916	921	948
Unknown citizenship	14	4	12	20	5	11	11	4	4	17	13
Not Hispanic or Latino											
American Indian or Alaska Native	129	139	123	148	121	138	129	135	107	126	109
U.S. citizen or permanent resident	125	137	113	140	115	132	117	127	104	119	103
Temporary visa holder[a]	4	2	10	D	D	6	12	8	D	7	6
Unknown citizenship	0	0	0	D	D	0	0	0	D	0	0
Asian	8,920	10,067	11,633	12,321	12,454	12,132	11,583	12,311	12,852	13,436	13,572
U.S. citizen or permanent resident	2,022	2,155	2,391	2,308	2,507	2,612	2,738	2,832	2,944	2,891	2,883
Temporary visa holder	6,881	7,895	9,226	9,948	9,940	9,505	8,822	9,451	9,889	10,521	10,675
Unknown citizenship	17	17	16	65	7	15	23	28	19	24	14
Black or African American	2,266	2,110	2,183	2,383	2,395	2,617	2,379	2,313	2,529	2,659	2,649
U.S. citizen or permanent resident	1,897	1,741	1,789	1,891	1,961	2,168	1,938	1,899	2,056	2,174	2,167
Temporary visa holder	344	367	383	471	431	434	426	404	469	481	477
Unknown citizenship	25	2	11	21	3	15	15	10	4	4	5
White	24,050	24,360	25,245	25,569	26,084	26,630	25,965	26,173	26,983	27,884	27,937
U.S. citizen or permanent resident	21,011	21,208	21,923	22,067	22,835	23,616	23,101	23,278	24,011	24,759	24,824
Temporary visa holder	2,994	3,131	3,279	3,322	3,229	2,970	2,810	2,841	2,931	3,072	3,081
Unknown citizenship	45	21	43	180	20	44	54	54	41	53	32
More than one race	421	437	532	541	546	695	711	780	868	928	936
U.S. citizen or permanent resident	386	395	464	505	506	646	654	722	807	857	876
Temporary visa holder	35	42	67	33	40	49	54	58	61	71	60
Unknown citizenship	0	0	1	3	0	0	3	0	0	0	0
Other race or race not reported	678	568	467	522	563	554	441	464	461	446	411
U.S. citizen or permanent resident	402	306	287	304	343	338	272	248	292	279	272
Temporary visa holder	266	235	172	D	D	211	160	212	D	146	124
Unknown citizenship	10	27	8	D	D	5	9	4	D	21	15
Ethnicity not reported	3,634	3,422	3,109	4,104	3,905	3,972	4,120	3,822	4,097	4,194	5,299
U.S. citizen or permanent resident	895	568	529	631	804	935	940	630	625	763	684
Temporary visa holder	395	317	275	270	472	638	503	339	355	465	481
Unknown citizenship	2,344	2,537	2,305	3,203	2,629	2,399	2,677	2,853	3,117	2,966	4,134

D = suppressed to avoid disclosure of confidential information.

[a] In most cases, non-U.S. American Indians are citizens of Canada or of a Latin American country.

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

TABLE 20. Male doctorate recipients, by ethnicity, race, and citizenship status: 2004–14

Ethnicity, race, and citizenship status	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
All doctorate recipients	22,966	23,737	25,021	26,202	26,272	26,332	25,526	26,192	27,370	28,351	29,049
U.S. citizen or permanent resident	13,769	13,586	14,266	14,240	14,774	15,508	15,275	15,397	16,073	16,561	16,668
Temporary visa holder	7,914	8,749	9,398	9,994	9,984	9,565	8,768	9,179	9,556	10,111	10,210
Unknown citizenship	1,283	1,402	1,357	1,968	1,514	1,259	1,483	1,616	1,741	1,679	2,171
Hispanic or Latino	1,087	1,193	1,211	1,311	1,356	1,450	1,383	1,494	1,549	1,524	1,594
U.S. citizen or permanent resident	596	608	693	738	748	853	815	893	948	906	1,003
Temporary visa holder	486	585	514	563	605	595	563	598	599	612	582
Unknown citizenship	5	0	4	10	3	2	5	3	2	6	9
Not Hispanic or Latino											
American Indian or Alaska Native	58	60	60	67	51	60	64	56	42	62	54
U.S. citizen or permanent resident	55	58	53	62	49	56	58	50	41	56	49
Temporary visa holder[a]	3	2	7	D	D	D	6	D	D	D	D
Unknown citizenship	0	0	0	D	D	D	0	D	D	D	D
Asian	5,729	6,456	7,323	7,766	7,658	7,386	6,919	7,407	7,732	8,045	8,103
U.S. citizen or permanent resident	983	1,062	1,152	1,059	1,127	1,163	1,220	1,263	1,313	1,265	1,247
Temporary visa holder	4,736	5,388	6,164	6,667	6,528	6,217	5,687	6,131	6,405	6,767	6,849
Unknown citizenship	10	6	7	40	3	6	12	13	14	13	7
Black or African American	924	879	913	1,003	999	1,065	976	917	1,047	1,102	1,148
U.S. citizen or permanent resident	686	641	649	680	712	790	696	666	741	801	818
Temporary visa holder	229	237	260	310	287	272	274	248	303	298	329
Unknown citizenship	9	1	4	13	0	3	6	3	3	3	1
White	12,554	12,759	13,240	13,217	13,380	13,571	13,440	13,602	14,042	14,616	14,619
U.S. citizen or permanent resident	10,574	10,614	11,075	11,005	11,297	11,661	11,605	11,738	12,169	12,589	12,590
Temporary visa holder	1,964	2,135	2,138	2,114	2,073	1,898	1,809	1,838	1,859	2,006	2,016
Unknown citizenship	16	10	27	98	10	12	26	26	14	21	13
More than one race	193	192	250	235	248	325	293	381	384	432	450
U.S. citizen or permanent resident	169	164	205	211	227	300	263	346	347	388	410
Temporary visa holder	24	28	44	22	21	25	28	35	37	44	40
Unknown citizenship	0	0	1	2	0	0	2	0	0	0	0
Other race or race not reported	453	362	283	331	341	316	236	273	259	243	249
U.S. citizen or permanent resident	249	166	164	175	191	178	139	136	147	148	162
Temporary visa holder	197	177	116	D	D	D	94	D	D	D	D
Unknown citizenship	7	19	3	D	D	D	3	D	D	D	D
Ethnicity not reported	1,968	1,836	1,741	2,272	2,239	2,159	2,215	2,062	2,315	2,327	2,832
U.S. citizen or permanent resident	457	273	275	310	423	507	479	305	367	408	389
Temporary visa holder	275	197	155	168	322	417	307	189	243	290	308
Unknown citizenship	1,236	1,366	1,311	1,794	1,494	1,235	1,429	1,568	1,705	1,629	2,135

D = suppressed to avoid disclosure of confidential information.

[a] In most cases, non-U.S. American Indians are citizens of Canada or of a Latin American country.

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

TABLE 21. Female doctorate recipients, by ethnicity, race, and citizenship status: 2004–14

Ethnicity, race, and citizenship status	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
All doctorate recipients	19,155	19,582	20,560	21,904	22,495	23,187	22,489	22,700	23,535	24,384	24,857
U.S. citizen or permanent resident	14,270	14,357	14,762	15,260	16,069	16,818	16,328	16,329	16,910	17,417	17,337
Temporary visa holder	3,715	4,079	4,800	5,128	5,277	5,167	4,868	5,056	5,224	5,573	5,640
Unknown citizenship	1,170	1,146	998	1,516	1,149	1,202	1,293	1,315	1,401	1,394	1,880
Hispanic or Latino	938	1,089	1,119	1,233	1,354	1,365	1,320	1,422	1,515	1,550	1,563
U.S. citizen or permanent resident	705	827	839	917	1,025	1,027	1,028	1,097	1,196	1,230	1,193
Temporary visa holder	224	258	272	306	327	329	286	324	317	309	366
Unknown citizenship	9	4	8	10	2	9	6	1	2	11	4
Not Hispanic or Latino											
American Indian or Alaska Native	71	79	63	81	70	78	65	79	65	64	55
U.S. citizen or permanent resident	70	79	60	78	66	76	59	77	63	63	54
Temporary visa holder[a]	1	0	3	D	D	D	6	D	D	D	D
Unknown citizenship	0	0	0	D	D	D	0	D	D	D	D
Asian	3,191	3,609	4,310	4,554	4,795	4,741	4,662	4,904	5,117	5,391	5,469
U.S. citizen or permanent resident	1,039	1,092	1,239	1,249	1,379	1,449	1,518	1,569	1,631	1,626	1,636
Temporary visa holder	2,145	2,506	3,062	3,280	3,412	3,283	3,135	3,320	3,481	3,754	3,826
Unknown citizenship	7	11	9	25	4	9	9	15	5	11	7
Black or African American	1,342	1,231	1,270	1,380	1,396	1,552	1,403	1,396	1,482	1,557	1,501
U.S. citizen or permanent resident	1,211	1,100	1,140	1,211	1,249	1,378	1,242	1,233	1,315	1,373	1,349
Temporary visa holder	115	130	123	161	144	162	152	156	166	183	148
Unknown citizenship	16	1	7	8	3	12	9	7	1	1	4
White	11,496	11,601	12,005	12,352	12,704	13,058	12,525	12,571	12,941	13,268	13,318
U.S. citizen or permanent resident	10,437	10,594	10,848	11,062	11,538	11,954	11,496	11,540	11,842	12,170	12,234
Temporary visa holder	1,030	996	1,141	1,208	1,156	1,072	1,001	1,003	1,072	1,066	1,065
Unknown citizenship	29	11	16	82	10	32	28	28	27	32	19
More than one race	228	244	282	306	298	370	418	399	484	496	486
U.S. citizen or permanent resident	217	230	259	294	279	346	391	376	460	469	466
Temporary visa holder	11	14	23	11	19	24	26	23	24	27	20
Unknown citizenship	0	0	0	1	0	0	1	0	0	0	0
Other race or race not reported	225	206	184	191	222	238	205	191	202	203	162
U.S. citizen or permanent resident	153	140	123	129	152	160	133	112	145	131	110
Temporary visa holder	69	58	56	D	D	D	66	D	D	D	D
Unknown citizenship	3	8	5	D	D	D	6	D	D	D	D
Ethnicity not reported	1,664	1,523	1,327	1,807	1,656	1,785	1,891	1,738	1,729	1,855	2,303
U.S. citizen or permanent resident	438	295	254	320	381	428	461	325	258	355	295
Temporary visa holder	120	117	120	102	150	221	196	150	111	175	171
Unknown citizenship	1,106	1,111	953	1,385	1,125	1,136	1,234	1,263	1,360	1,325	1,837

D = suppressed to avoid disclosure of confidential information.

[a] In most cases, non-U.S. American Indians are citizens of Canada or of a Latin American country.

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

TABLE 22. Doctorate recipients, by citizenship status, ethnicity, race, and subfield of study: 2014

Subfield of study	All doctorate recipients[a]	Temporary visa holders	U.S. citizens and permanent residents								
					Not Hispanic or Latino						
			Total	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
All fields	54,070	15,852	34,005	2,196	103	2,883	2,167	24,824	876	272	684
Life sciences	12,504	3,156	8,438	535	21	872	502	6,092	232	63	121
Agricultural sciences and natural resources	1,303	498	728	48	5	42	36	569	8	7	13
Agricultural economics	96	48	44	1	0	9	3	27	1	2	1
Agronomy, horticulture science, plant breeding, plant pathology, plant sciences-other	320	139	172	8	1	10	10	140	2	1	0
Animal nutrition, poultry science	75	40	32	3	0	0	2	27	0	0	0
Animal science, other	102	32	63	4	1	3	2	51	1	1	0
Environmental science	214	55	139	11	0	9	8	100	2	1	8
Fishing and fisheries sciences/management	52	15	36	1	1	0	0	32	0	1	1
Food science, food technology-other	131	78	47	8	0	4	3	31	1	0	0
Forest biology, forest management, wood science, forestry sciences-other	75	29	42	3	0	3	0	34	1	0	1
Natural resources/conservation	71	11	47	3	2	0	2	39	0	0	1
Soil chemistry, soil sciences-other	66	27	38	2	0	2	0	33	0	0	1
Wildlife/range management	29	3	25	1	0	0	0	24	0	0	0
Agricultural sciences/natural resources, aggregated	72	21	43	3	0	2	6	31	0	1	0
Biological, biomedical sciences	8,991	2,241	6,097	391	8	699	282	4,404	184	46	83
Anatomy, developmental biology	213	67	131	10	0	16	2	98	4	1	0
Bacteriology, parasitology	51	13	37	5	0	2	2	26	2	0	0
Biochemistry	820	271	497	27	0	59	25	357	15	4	10
Bioinformatics	185	75	89	4	1	16	4	58	5	1	0
Biomedical sciences	439	120	277	29	0	35	17	182	6	2	6
Biometrics and biostatistics	165	72	82	2	0	25	5	45	4	1	0
Biophysics (biology)	186	66	116	10	0	22	5	78	0	1	0
Botany, plant pathology, plant physiology	139	49	77	6	0	5	1	61	2	1	1
Cancer biology	457	134	293	24	0	48	14	193	7	2	5
Cell/cellular biology and histology	331	79	230	11	0	36	13	159	8	1	2
Computational biology	117	44	68	4	0	11	4	43	1	3	2
Ecology	450	63	375	27	1	8	4	313	13	2	7
Endocrinology, human/animal pathology	125	26	90	9	0	13	10	56	2	0	0
Entomology	114	29	80	7	0	5	1	65	1	0	1
Environmental toxicology, toxicology	166	34	126	7	1	9	5	98	3	0	3
Epidemiology	292	49	213	11	0	20	21	145	10	1	5
Evolutionary biology	215	41	167	7	0	9	7	136	8	0	0
Genetics-human/animal, plant genetics	450	123	303	7	1	30	10	231	18	1	5
Immunology	452	104	328	22	0	48	15	231	9	3	0
Marine biology and biological oceanography	111	12	97	5	1	4	1	82	4	0	0
Microbiology	466	98	336	20	1	28	18	254	8	1	6
Molecular biology	673	162	465	33	0	63	13	334	13	7	2

TABLE 22. Doctorate recipients, by citizenship status, ethnicity, race, and subfield of study: 2014

Subfield of study	All doctorate recipients[a]	Temporary visa holders	U.S. citizens and permanent residents								
					Not Hispanic or Latino						
			Total	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
Neurosciences and neurobiology	1,052	181	801	53	1	100	29	578	26	6	8
Nutrition sciences	175	47	116	2	0	14	3	91	2	2	2
Pharmacology, human and animal	294	81	168	9	1	26	18	108	4	0	2
Physiology, human and animal	208	39	147	10	0	15	10	109	2	1	0
Structural biology	60	22	35	2	0	5	1	27	0	0	0
Virology	162	40	120	9	0	4	9	92	3	2	1
Wildlife biology	36	2	32	4	0	0	1	25	1	0	1
Zoology	33	6	26	0	0	1	0	23	2	0	0
Biology/biomedical sciences, general	242	57	118	11	0	17	10	67	1	3	9
Biotechnology, biology/biomedical sciences-other	112	35	57	4	0	5	4	39	0	0	5
Health sciences	2,210	417	1,613	96	8	131	184	1,119	40	10	25
Environmental health, public health	476	70	377	19	3	29	93	208	18	4	3
Health and behavior	87	10	73	11	0	2	9	48	3	0	0
Health policy analysis	50	5	41	2	0	4	4	29	1	0	1
Health systems/services administration	89	11	62	5	0	8	10	36	1	0	2
Kinesiology/exercise physiology	250	32	200	13	0	7	6	163	3	2	6
Nursing science	567	35	493	29	5	26	37	380	10	3	3
Pharmaceutical sciences	278	142	97	5	0	28	8	53	1	0	2
Rehabilitation/therapeutic services	83	29	52	2	0	4	3	43	0	0	0
Speech-language pathology and audiology	114	24	83	3	0	9	3	66	1	0	1
Health sciences, aggregated	216	59	135	7	0	14	11	93	2	1	7
Physical sciences	9,859	4,094	5,061	275	13	495	178	3,823	127	47	103
Astronomy	290	72	200	13	1	11	4	164	3	1	3
Astronomy	113	24	77	4	0	5	1	64	1	0	2
Astrophysics	171	45	120	9	1	6	3	97	2	1	1
Astronomy, other	6	3	3	0	0	0	0	3	0	0	0
Atmospheric science and meteorology	200	71	121	7	0	1	4	105	1	1	2
Atmospheric physics, meteorology	83	30	52	5	0	0	2	44	1	0	0
Atmospheric chemistry, atmospheric sciences-general, atmospheric sciences-other	117	41	69	2	0	1	2	61	0	1	2
Chemistry	2,673	1,002	1,447	103	6	122	62	1,070	44	11	29
Analytical chemistry	416	189	221	15	0	20	15	158	11	1	1
Inorganic chemistry	373	108	259	17	2	16	13	202	6	1	2
Medicinal chemistry	86	34	44	2	0	10	4	23	5	0	0
Organic chemistry	604	221	358	35	2	35	12	261	9	4	0
Physical chemistry	341	135	195	5	0	12	5	162	4	2	5
Polymer chemistry	127	77	49	3	0	2	3	39	0	1	1
Theoretical chemistry	103	50	51	2	0	4	2	42	1	0	0
Chemistry, general	414	112	148	10	1	10	5	100	2	1	19

TABLE 22. Doctorate recipients, by citizenship status, ethnicity, race, and subfield of study: 2014

Subfield of study	All doctorate recipients[a]	Temporary visa holders	U.S. citizens and permanent residents								
					Not Hispanic or Latino						
			Total	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
Chemistry, other	209	76	122	14	1	13	3	83	6	1	1
Computer and information sciences	2,072	1,067	848	30	3	143	39	593	18	7	15
Computer science	1,668	918	640	22	1	114	23	453	11	5	11
Information science and systems	151	45	87	5	1	11	9	56	3	0	2
Robotics	81	34	44	1	1	9	1	29	1	0	2
Computer and information science, general	94	42	42	2	0	5	4	31	0	0	0
Computer and information science, other	78	28	35	0	0	4	2	24	3	2	0
Geological and earth sciences	581	178	368	17	0	13	7	309	12	4	6
Geochemistry, mineralogy	101	27	73	2	0	1	1	65	4	0	0
Geology	131	32	89	5	0	2	0	76	3	2	1
Geomorphology, geological sciences-general, geological sciences-other	146	35	95	6	0	5	2	78	2	0	2
Geophysics and seismology	150	72	70	2	0	5	4	53	2	2	2
Paleontology, stratigraphy	53	12	41	2	0	0	0	37	1	0	1
Mathematics	1,879	819	934	38	2	87	37	725	17	7	21
Algebra	173	48	120	2	0	8	3	101	2	2	2
Analysis and functional analysis	137	57	80	5	0	4	4	67	0	0	0
Applied mathematics, computing theory	495	246	231	13	1	17	9	184	6	1	0
Geometry/geometric analysis	120	62	58	2	1	5	0	49	0	1	0
Logic, topology/foundations	104	29	73	2	0	5	2	61	3	0	0
Number theory	83	27	56	4	0	4	1	44	3	0	0
Operations research, mathematics/statistics-general, mathematics/statistics-other	359	135	156	5	0	18	8	105	1	2	17
Statistics (mathematics)	408	215	160	5	0	26	10	114	2	1	2
Ocean/marine sciences	208	65	138	9	0	5	5	110	6	1	2
Oceanography, chemical and physical	88	28	59	6	0	4	3	41	4	1	0
Ocean/marine sciences, aggregated	120	37	79	3	0	1	2	69	2	0	2
Physics	1,956	820	1,005	58	1	113	20	747	26	15	25
Acoustics, optics/photonics	212	97	106	4	0	16	3	80	0	1	2
Applied physics	156	50	81	2	0	9	0	65	3	2	0
Atomic physics, polymer physics	165	77	80	5	0	8	2	62	3	0	0
Biophysics (physics)	131	58	68	5	1	9	1	50	0	0	2
Condensed matter/low temperature physics	391	212	173	14	0	22	1	130	4	2	0
Medical physics/radiological science	103	23	70	5	0	16	3	40	5	0	1
Nuclear physics	103	42	59	3	0	4	1	45	2	1	3
Particle (elementary) physics	245	104	139	9	0	14	2	104	4	5	1
Plasma/fusion physics	83	30	52	0	0	3	2	44	2	0	1
Physics, general	231	82	98	5	0	5	1	69	1	3	14
Physics, other	136	45	79	6	0	7	4	58	2	1	1

TABLE 22. Doctorate recipients, by citizenship status, ethnicity, race, and subfield of study: 2014

Subfield of study	All doctorate recipients[a]	Temporary visa holders	U.S. citizens and permanent residents								
					Not Hispanic or Latino						
			Total	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
Psychology and social sciences	8,657	1,553	6,268	453	26	397	417	4,632	169	41	133
Psychology	3,765	251	3,046	242	13	161	178	2,275	82	18	77
Behavioral analysis	51	9	40	1	0	2	2	33	1	0	1
Clinical psychology	1,244	43	1,006	94	7	48	49	742	26	4	36
Cognitive psychology and psycholinguistics	202	28	162	10	0	11	3	131	2	1	4
Counseling	382	17	322	30	3	15	32	225	13	1	3
Developmental and child psychology	244	21	207	21	0	17	5	155	6	2	1
Educational psychology (psychology)	64	8	49	3	0	4	6	35	1	0	0
Experimental psychology	143	21	118	7	0	4	2	96	8	0	1
Family psychology, human development and family studies	185	17	157	11	0	12	16	115	2	1	0
Health and medical psychology	79	5	71	5	0	5	5	53	0	1	2
Industrial and organizational psychology	208	16	166	14	1	9	14	114	5	2	7
Neuropsychology/physiological psychology	122	6	109	7	0	6	2	92	0	0	2
School psychology (psychology)	111	4	96	4	0	2	8	80	2	0	0
Social psychology	242	19	211	20	0	16	8	159	6	2	0
Psychology, general	280	12	157	6	1	5	7	112	4	2	20
Psychology, aggregated	208	25	175	9	1	5	19	133	6	2	0
Social sciences	4,892	1,302	3,222	211	13	236	239	2,357	87	23	56
Anthropology, cultural	268	49	211	20	0	15	13	145	13	2	3
Anthropology, physical and biological	73	13	59	4	1	0	0	52	0	0	2
Anthropology, general	186	26	137	22	2	8	6	90	6	1	2
Economics, econometrics	1,145	604	442	23	0	57	15	327	10	2	8
Natural resource/environmental economics (social sciences)	49	22	26	1	0	2	1	20	2	0	0
Political science and government	776	145	571	33	0	28	28	458	12	4	8
Sociology	678	92	540	36	3	41	45	395	16	2	2
Other social sciences	1,717	351	1,236	72	7	85	131	870	28	12	31
Area/ethnic/cultural studies	90	9	68	7	0	10	15	27	5	2	2
Criminal justice and corrections	80	6	67	3	0	3	12	47	1	1	0
Criminology	79	1	76	6	0	4	3	58	3	0	2
Demography, gerontology, statistics, urban affairs, social sciences-general, social sciences-other	332	57	230	15	1	18	35	150	1	2	8
Gender and women's studies	41	4	34	3	1	1	9	18	1	1	0
Geography	291	61	214	9	1	10	6	173	5	3	7
International relations/affairs	104	27	72	5	0	8	6	51	0	0	2
Linguistics	277	87	170	8	2	10	3	142	2	1	2
Natural resource/environmental policy	36	7	27	0	0	3	1	22	1	0	0
Public policy analysis	276	49	213	11	2	14	32	145	5	0	4
Urban/city, community and regional planning	111	43	65	5	0	4	9	37	4	2	4

TABLE 22. Doctorate recipients, by citizenship status, ethnicity, race, and subfield of study: 2014

Subfield of study	All doctorate recipients[a]	Temporary visa holders	U.S. citizens and permanent residents								
					Not Hispanic or Latino						
			Total	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
Engineering	9,568	4,936	4,029	243	6	575	167	2,799	103	41	95
Aerospace, aeronautical, and astronautical engineering	387	124	246	25	0	21	3	183	6	4	4
Chemical engineering	975	483	447	25	0	61	15	320	11	7	8
Civil engineering	622	340	229	12	0	17	12	171	3	2	12
Electrical, electronics, and communications engineering	1,957	1,218	577	27	1	125	32	370	10	3	9
Industrial and manufacturing engineering	298	185	91	7	0	11	6	60	2	1	4
Materials science engineering	836	421	364	27	1	50	9	257	12	4	4
Mechanical engineering	1,332	688	558	28	0	62	15	423	18	4	8
Other engineering	3,161	1,477	1,517	92	4	228	75	1,015	41	16	46
Bioengineering and biomedical engineering	1,049	317	677	32	2	126	29	447	21	6	14
Computer engineering	467	304	134	6	0	27	12	68	2	1	18
Environmental health engineering	270	137	128	11	1	13	6	91	3	3	0
Nuclear engineering	156	42	110	4	1	5	1	86	8	1	4
Structural engineering	101	50	50	2	0	1	0	44	1	2	0
Systems engineering	95	30	62	3	0	12	4	40	0	1	2
Other engineering, aggregated	1,023	597	356	34	0	44	23	239	6	2	8
Education	4,793	478	3,931	256	19	197	523	2,712	90	23	111
Education administration	895	39	762	52	4	26	174	459	13	5	29
Education and human resource studies/development	62	8	42	4	0	4	8	25	0	1	0
Educational administration and supervision	172	7	154	16	1	4	28	87	6	0	12
Educational leadership	605	24	510	21	3	17	117	331	6	4	11
Urban education and leadership	56	0	56	11	0	1	21	16	1	0	6
Education research	2,558	265	2,101	134	14	110	271	1,471	52	11	38
Counseling education/counseling and guidance	229	16	193	11	3	6	42	124	0	1	6
Curriculum and instruction	549	57	438	34	3	23	48	308	10	4	8
Educational assessment/testing/measurement	54	12	42	2	1	2	8	28	1	0	0
Educational policy analysis	155	12	136	9	1	12	29	79	3	1	2
Educational psychology (education)	259	26	205	10	1	13	14	154	6	1	6
Educational statistics/research methods	75	15	55	3	0	2	4	43	1	0	2
Educational/instructional technology, media design	207	45	143	8	1	9	13	108	0	0	4
Higher education/evaluation and research	447	31	399	29	3	14	69	260	15	2	7
International education	70	10	40	3	0	6	4	26	1	0	0
School psychology (education)	145	3	141	6	0	13	11	106	4	1	0
Social/philosophical foundations of education	92	10	73	3	1	2	14	49	3	1	0
Special education	276	28	236	16	0	8	15	186	8	0	3
Teacher education	153	14	133	5	0	5	12	101	5	0	5
Teaching fields	919	134	733	45	0	46	52	543	15	6	26
English as a second or foreign language	58	26	30	4	0	8	0	17	0	0	1

TABLE 22. Doctorate recipients, by citizenship status, ethnicity, race, and subfield of study: 2014

Subfield of study	All doctorate recipients[a]	Temporary visa holders	U.S. citizens and permanent residents								
					Not Hispanic or Latino						
			Total	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
Health education	43	3	38	1	0	2	6	27	0	1	1
Literacy and reading education	128	8	112	7	0	4	8	87	2	0	4
Mathematics education	143	22	120	6	0	9	13	87	3	0	2
Music education	104	5	94	5	0	5	3	74	1	1	5
Physical education and coaching	36	8	26	1	0	1	1	17	2	1	3
Science education	112	18	84	6	0	6	8	62	1	0	1
Teaching fields, aggregated	295	44	229	15	0	11	13	172	6	3	9
Other education	268	26	202	20	1	10	14	138	5	1	13
Education, general	135	13	94	12	0	7	5	57	4	0	9
Other education, aggregated	133	13	108	8	1	3	9	81	1	1	4
Humanities	5,486	705	4,360	315	16	189	166	3,447	117	39	71
Foreign languages and literature	676	142	470	89	2	24	8	334	8	1	4
French, Italian	179	29	132	7	1	3	5	109	4	0	3
German	84	19	60	2	1	4	0	52	1	0	0
Latin American	83	18	55	28	0	1	0	26	0	0	0
Spanish	182	33	129	46	0	2	2	75	3	0	1
Other aggregated languages	148	43	94	6	0	14	1	72	0	1	0
History	1,182	146	965	73	1	46	48	748	22	15	12
American history (U.S. and Canada)	431	15	412	20	0	8	25	341	10	4	4
Asian history	78	31	41	3	0	16	0	20	0	2	0
European history	229	31	192	8	0	4	2	170	5	2	1
History, science and technology and society	78	18	60	2	0	6	3	45	3	0	1
Latin American history	73	10	62	27	0	0	3	32	0	0	0
Middle/Near East studies	68	12	50	2	0	2	2	40	1	2	1
History, general	121	10	64	7	0	7	3	40	1	1	5
History, aggregated	104	19	84	4	1	3	10	60	2	4	0
Letters	1,553	140	1,303	68	5	44	37	1,084	38	10	17
American literature (U.S. and Canada)	350	17	326	21	2	6	15	267	12	0	3
Classics	91	13	76	6	0	2	1	65	1	0	1
Comparative literature	196	39	141	9	0	14	2	104	9	2	1
English language	149	17	68	4	0	1	4	49	2	2	6
English literature (British and Commonwealth)	393	39	347	13	2	14	4	305	6	2	1
Rhetoric and composition	210	8	194	6	1	5	9	161	6	4	2
Speech and rhetorical studies	29	0	26	1	0	0	0	24	0	0	1
Letters, aggregated	135	7	125	8	0	2	2	109	2	0	2
Other humanities	2,075	277	1,622	85	8	75	73	1,281	49	13	38
American/U.S. studies	121	4	104	9	4	9	15	59	6	0	2
Archaeology	105	13	89	5	1	3	0	76	3	1	0

TABLE 22. Doctorate recipients, by citizenship status, ethnicity, race, and subfield of study: 2014

Subfield of study	All doctorate recipients[a]	Temporary visa holders	U.S. citizens and permanent residents								
					Not Hispanic or Latino						
			Total	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
Art history/criticism/conservation	262	37	208	13	1	13	3	166	7	0	5
Drama/theater arts	104	9	85	2	1	2	4	68	2	1	5
Film/cinema/video studies	72	9	58	3	0	5	4	43	3	0	0
Music	65	8	37	1	0	1	3	26	0	1	5
Musicology/ethnomusicology	140	23	113	8	0	4	2	92	5	1	1
Music performance	77	17	59	5	0	4	1	45	1	0	3
Music theory and composition	104	17	82	6	0	0	2	69	3	0	2
Philosophy, ethics	479	67	370	16	0	11	15	310	10	3	5
Religion/religious studies, Jewish/Judaic studies	319	37	257	11	1	17	14	197	7	5	5
Other humanities, aggregated	227	36	160	6	0	6	10	130	2	1	5
Other[b]	3,203	930	1,918	119	2	158	214	1,319	38	18	50
Business management and administration	1,583	587	847	45	1	105	95	553	19	11	18
Accounting	198	57	135	3	0	18	13	92	3	3	3
Business administration and management	242	67	125	6	1	14	15	82	0	3	4
Finance	264	154	97	6	0	19	7	59	1	1	4
Human resources development	65	7	56	4	0	1	10	39	1	1	0
Management information systems/business statistics	101	46	51	0	0	6	9	33	2	0	1
Marketing management and research	152	58	84	8	0	15	5	49	6	0	1
Organizational behavior	212	38	154	10	0	9	23	105	4	1	2
Other aggregated business fields	349	160	145	8	0	23	13	94	2	2	3
Communication	664	137	474	34	1	20	39	356	8	5	11
Communication research	150	36	113	10	0	4	9	87	3	0	0
Mass communication/media studies	250	61	163	6	0	12	17	118	1	2	7
Communication, general	123	19	84	5	0	2	3	65	3	2	4
Communication, aggregated	141	21	114	13	1	2	10	86	1	1	0
Non-S&E fields not elsewhere classified	956	206	597	40	0	33	80	410	11	2	21
Architecture/environmental design	118	55	53	5	0	7	1	37	0	0	3
Family/consumer science/human science	50	10	38	0	0	3	4	31	0	0	0
Parks/sports/recreation/leisure/fitness	68	15	43	3	0	0	5	33	1	0	1
Public administration	121	24	92	3	0	2	22	52	3	1	9
Social work	326	37	227	19	0	11	41	149	4	0	3
Theology/religious education	157	28	95	7	0	5	4	73	2	0	4
Fields not elsewhere classified, aggregated	116	37	49	3	0	5	3	35	1	1	1

S&E = science and engineering.

[a] Includes 4,213 respondents who did not report citizenship.

[b] Non-science and engineering fields.

NOTE: See table A-5 in the technical notes for a listing of aggregated fields and their constituent fine fields.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 23. U.S. citizen and permanent resident doctorate recipients, by ethnicity, race, and broad field of study: Selected years, 1994–2014

Field of study, ethnicity, and race	1994	1999	2004	2009	2014
All fields	30,904	30,312	28,039	32,327	34,005
Hispanic or Latino	1,031	1,328	1,301	1,880	2,196
Not Hispanic or Latino					
American Indian or Alaska Native	142	214	125	132	103
Asian[a]	3,534	2,497	2,022	2,612	2,883
Black or African American	1,277	1,765	1,897	2,168	2,167
White	24,574	23,901	21,011	23,616	24,824
More than one race	na	na	386	646	876
Other race or race not reported[b]	114	352	402	338	272
Ethnicity not reported	232	255	895	935	684
Life sciences[c]	5,871	5,810	6,082	7,803	8,438
Hispanic or Latino	183	238	255	390	535
Not Hispanic or Latino					
American Indian or Alaska Native	24	27	19	29	21
Asian[a]	903	751	611	784	872
Black or African American	151	206	272	410	502
White	4,546	4,482	4,587	5,782	6,092
More than one race	na	na	80	158	232
Other race or race not reported[b]	19	69	88	76	63
Ethnicity not reported	45	37	170	174	121
Physical sciences[d]	4,561	3,834	3,258	4,420	5,061
Hispanic or Latino	118	114	112	187	275
Not Hispanic or Latino					
American Indian or Alaska Native	10	17	11	8	13
Asian[a]	943	430	299	421	495
Black or African American	72	108	90	133	178
White	3,368	3,076	2,535	3,396	3,823
More than one race	na	na	53	79	127
Other race or race not reported[b]	17	39	65	49	47
Ethnicity not reported	33	50	93	147	103
Social sciences[e]	5,516	5,850	5,241	5,618	6,268
Hispanic or Latino	202	329	289	401	453
Not Hispanic or Latino					
American Indian or Alaska Native	27	60	18	25	26
Asian[a]	351	312	298	349	397
Black or African American	251	336	352	372	417
White	4,617	4,705	3,972	4,125	4,632
More than one race	na	na	81	148	169
Other race or race not reported[b]	25	68	73	62	41
Ethnicity not reported	43	40	158	136	133
Engineering	3,054	2,892	2,190	3,166	4,029
Hispanic or Latino	67	83	88	160	243
Not Hispanic or Latino					
American Indian or Alaska Native	6	12	6	10	6
Asian[a]	865	513	349	487	575
Black or African American	53	98	89	132	167
White	2,020	2,111	1,525	2,111	2,799
More than one race	na	na	23	56	103
Other race or race not reported[b]	13	35	46	29	41
Ethnicity not reported	30	40	64	181	95
Education	6,066	5,817	5,452	5,584	3,931
Hispanic or Latino	241	303	273	390	256
Not Hispanic or Latino					

TABLE 23. U.S. citizen and permanent resident doctorate recipients, by ethnicity, race, and broad field of study: Selected years, 1994–2014

Field of study, ethnicity, and race	1994	1999	2004	2009	2014
American Indian or Alaska Native	37	58	46	42	19
Asian[a]	172	168	149	211	197
Black or African American	521	689	749	788	523
White	5,041	4,506	3,915	3,886	2,712
More than one race	na	na	61	90	90
Other race or race not reported[b]	16	62	51	53	23
Ethnicity not reported	38	31	208	124	111
Humanities	3,900	4,442	4,233	3,888	4,360
Hispanic or Latino	169	200	221	256	315
Not Hispanic or Latino					
American Indian or Alaska Native	22	24	15	13	16
Asian[a]	157	200	209	197	189
Black or African American	114	178	175	159	166
White	3,389	3,734	3,352	3,023	3,447
More than one race	na	na	62	83	117
Other race or race not reported[b]	18	58	62	53	39
Ethnicity not reported	31	48	137	104	71
Other[f]	1,936	1,667	1,583	1,848	1,918
Hispanic or Latino	51	61	63	96	119
Not Hispanic or Latino					
American Indian or Alaska Native	16	16	10	5	2
Asian[a]	143	123	107	163	158
Black or African American	115	150	170	174	214
White	1,593	1,287	1,125	1,293	1,319
More than one race	na	na	26	32	38
Other race or race not reported[b]	6	21	17	16	18
Ethnicity not reported	12	9	65	69	50

na = not applicable; respondents were instructed to indicate only one race.

[a] Includes Native Hawaiians or Other Pacific Islanders who are not Hispanic through 2000, but excludes them since 2001.

[b] Before 2001, category included respondents who selected more than one race; Native Hawaiians or Other Pacific Islanders who are not Hispanic were included in the category Asian. Since 2001, category has included Native Hawaiians or Other Pacific Islanders who are not Hispanic.

[c] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[d] Includes mathematics and computer and information sciences.

[e] Includes psychology.

[f] Non-science and engineering fields not shown separately.

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

TABLE 24. U.S. citizen and permanent resident doctorate recipients, by ethnicity, race, and major field of study: 2014
(Percent distribution)

Field of study	All U.S. citizen and permanent resident doctorate recipients (number)	U.S. citizens and permanent residents								
				Not Hispanic or Latino						
		Total	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
All fields	34,005	100.0	6.5	0.3	8.5	6.4	73.0	2.6	0.8	2.0
Life sciences	8,438	100.0	6.3	0.2	10.3	5.9	72.2	2.7	0.7	1.4
Agricultural sciences and natural resources	728	100.0	6.6	0.7	5.8	4.9	78.2	1.1	1.0	1.8
Biological, biomedical sciences	6,097	100.0	6.4	0.1	11.5	4.6	72.2	3.0	0.8	1.4
Health sciences	1,613	100.0	6.0	0.5	8.1	11.4	69.4	2.5	0.6	1.5
Physical sciences	5,061	100.0	5.4	0.3	9.8	3.5	75.5	2.5	0.9	2.0
Chemistry	1,447	100.0	7.1	0.4	8.4	4.3	73.9	3.0	0.8	2.0
Computer and information sciences	848	100.0	3.5	0.4	16.9	4.6	69.9	2.1	0.8	1.8
Geosciences	627	100.0	5.3	0.0	3.0	2.6	83.6	3.0	1.0	1.6
Mathematics	934	100.0	4.1	0.2	9.3	4.0	77.6	1.8	0.7	2.2
Physics and astronomy	1,205	100.0	5.9	0.2	10.3	2.0	75.6	2.4	1.3	2.3
Social sciences	6,268	100.0	7.2	0.4	6.3	6.7	73.9	2.7	0.7	2.1
Anthropology	407	100.0	11.3	0.7	5.7	4.7	70.5	4.7	0.7	1.7
Economics	468	100.0	5.1	0.0	12.6	3.4	74.1	2.6	0.4	1.7
Political science	571	100.0	5.8	0.0	4.9	4.9	80.2	2.1	0.7	1.4
Psychology	3,046	100.0	7.9	0.4	5.3	5.8	74.7	2.7	0.6	2.5
Sociology	540	100.0	6.7	0.6	7.6	8.3	73.1	3.0	0.4	0.4
Other social sciences	1,236	100.0	5.8	0.6	6.9	10.6	70.4	2.3	1.0	2.5
Engineering	4,029	100.0	6.0	0.1	14.3	4.1	69.5	2.6	1.0	2.4
Aerospace, aeronautical, and astronautical engineering	246	100.0	10.2	0.0	8.5	1.2	74.4	2.4	1.6	1.6
Chemical engineering	447	100.0	5.6	0.0	13.6	3.4	71.6	2.5	1.6	1.8
Civil engineering	229	100.0	5.2	0.0	7.4	5.2	74.7	1.3	0.9	5.2
Electrical, electronics, and communication engineering	577	100.0	4.7	0.2	21.7	5.5	64.1	1.7	0.5	1.6
Industrial and manufacturing engineering	91	100.0	7.7	0.0	12.1	6.6	65.9	2.2	1.1	4.4
Materials science engineering	364	100.0	7.4	0.3	13.7	2.5	70.6	3.3	1.1	1.1
Mechanical engineering	558	100.0	5.0	0.0	11.1	2.7	75.8	3.2	0.7	1.4
Other engineering	1,517	100.0	6.1	0.3	15.0	4.9	66.9	2.7	1.1	3.0
Education	3,931	100.0	6.5	0.5	5.0	13.3	69.0	2.3	0.6	2.8
Education administration	762	100.0	6.8	0.5	3.4	22.8	60.2	1.7	0.7	3.8
Education research	2,101	100.0	6.4	0.7	5.2	12.9	70.0	2.5	0.5	1.8
Teacher education	133	100.0	3.8	0.0	3.8	9.0	75.9	3.8	0.0	3.8
Teaching fields	733	100.0	6.1	0.0	6.3	7.1	74.1	2.0	0.8	3.5
Other education	202	100.0	9.9	0.5	5.0	6.9	68.3	2.5	0.5	6.4

TABLE 24. U.S. citizen and permanent resident doctorate recipients, by ethnicity, race, and major field of study: 2014
(Percent distribution)

Field of study	All U.S. citizen and permanent resident doctorate recipients (number)	U.S. citizens and permanent residents								
				Not Hispanic or Latino						
		Total	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
Humanities	4,360	100.0	7.2	0.4	4.3	3.8	79.1	2.7	0.9	1.6
Foreign languages and literature	470	100.0	18.9	0.4	5.1	1.7	71.1	1.7	0.2	0.9
History	965	100.0	7.6	0.1	4.8	5.0	77.5	2.3	1.6	1.2
Letters	1,303	100.0	5.2	0.4	3.4	2.8	83.2	2.9	0.8	1.3
Other humanities	1,622	100.0	5.2	0.5	4.6	4.5	79.0	3.0	0.8	2.3
Other[a]	1,918	100.0	6.2	0.1	8.2	11.2	68.8	2.0	0.9	2.6
Business management and administration	847	100.0	5.3	0.1	12.4	11.2	65.3	2.2	1.3	2.1
Communication	474	100.0	7.2	0.2	4.2	8.2	75.1	1.7	1.1	2.3
Non-S&E fields not elsewhere classified	597	100.0	6.7	0.0	5.5	13.4	68.7	1.8	0.3	3.5

S&E = science and engineering.

[a] Non-science and engineering fields.

NOTES: See table A-6 in the technical notes for a listing of major fields and their constituent subfields. Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 25. Top 40 countries or economies of origin of temporary visa holders earning doctorates at U.S. colleges and universities, ranked by number of doctorate recipients: 2014

Rank	Country or economy	Doctorate recipients
	All temporary visa holders (158 countries or economies)[a]	15,742
	Top 40 countries or economies of origin	14,490
1	China[b]	4,983
2	India	2,312
3	South Korea	1,286
4	Taiwan	668
5	Canada	484
6	Iran	482
7	Turkey	427
8	Thailand	232
9	Colombia	216
10	Germany	203
11	Mexico	193
12	Japan	172
12	Nepal	172
14	Italy	155
15	Vietnam	142
16	Brazil	140
16	Sri Lanka	140
18	Bangladesh	139
19	Egypt	135
20	Pakistan	127
21	France	115
22	Jordan	110
23	Russian Federation (former USSR)	108
24	Saudi Arabia	105
25	Chile	99
26	Singapore	97
26	United Kingdom	97
28	Malaysia	88
29	Nigeria	87
30	Greece	81
31	Israel	80
32	Indonesia	79
33	Romania	78
34	Kenya	72
35	Philippines	70
36	Spain	69
37	Argentina	67
38	Ghana	62
39	Peru	60
40	Libya	58

[a] Excludes cases with unknown country or economy of origin.

[b] Includes Hong Kong.

NOTE: Tied countries or economies are listed alphabetically.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 26. Doctorates awarded, by field and country or economy of citizenship for 10 largest countries of origin of temporary visa holders earning doctorates at U.S. colleges and universities: 2004–14

Country or economy and field	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
China[a]	3,000	3,588	4,448	4,721	4,528	4,101	3,744	3,988	4,222	4,798	4,983
Science and engineering	2,774	3,346	4,123	4,319	4,148	3,753	3,457	3,650	3,906	4,445	4,652
Non-science and engineering	226	242	325	402	380	348	287	338	316	353	331
India	915	1,186	1,606	2,074	2,318	2,272	2,142	2,165	2,248	2,206	2,312
Science and engineering	833	1,093	1,496	1,922	2,158	2,112	1,994	2,036	2,141	2,075	2,206
Non-science and engineering	82	93	110	152	160	160	148	129	107	131	106
South Korea	1,351	1,442	1,546	1,442	1,442	1,526	1,381	1,445	1,472	1,384	1,286
Science and engineering	1,030	1,136	1,198	1,129	1,152	1,176	1,076	1,082	1,131	1,012	929
Non-science and engineering	321	306	348	313	290	350	305	363	341	372	357
Taiwan	636	661	668	693	641	735	650	693	719	699	668
Science and engineering	395	443	452	477	462	544	501	570	581	570	557
Non-science and engineering	241	218	216	216	179	191	149	123	138	129	111
Canada	507	463	465	511	499	516	469	455	423	484	484
Science and engineering	356	330	326	352	370	385	339	306	299	330	320
Non-science and engineering	151	133	139	159	129	131	130	149	124	154	164
Turkey	397	390	414	522	560	527	477	493	439	479	427
Science and engineering	324	321	321	410	467	445	404	422	352	392	361
Non-science and engineering	73	69	93	112	93	82	73	71	87	87	66
Thailand	354	322	260	266	330	242	222	266	260	264	232
Science and engineering	302	281	218	235	291	220	182	235	240	227	201
Non-science and engineering	52	41	42	31	39	22	40	31	20	37	31
Japan	240	263	271	276	256	256	236	244	240	217	172
Science and engineering	170	187	194	210	209	190	172	178	178	166	128
Non-science and engineering	70	76	77	66	47	66	64	66	62	51	44
Mexico	203	231	210	208	204	215	201	185	213	177	193
Science and engineering	168	196	173	172	161	171	169	159	184	146	161
Non-science and engineering	35	35	37	36	43	44	32	26	29	31	32
Iran	47	115	128	133	137	141	147	198	287	410	482
Science and engineering	46	113	125	131	132	139	144	193	278	381	463
Non-science and engineering	1	2	3	2	5	2	3	5	9	29	19

[a] Includes Hong Kong.

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

TABLE 27. Median age of doctorate recipients, by broad field of study, sex, citizenship status, ethnicity, and race: 2014
(Percent distribution)

Broad field of study and demographic characteristic	Median age at doctorate (years)[a]	All ages	25 and under	26–30	31–35	36–40	41–45	Over 45
All fields	31.6	100.0	0.8	43.5	30.5	11.7	5.7	7.8
Life sciences[b]	31.0	100.0	0.6	49.3	30.0	9.5	4.4	6.2
Physical sciences[c]	29.9	100.0	1.4	60.1	26.7	6.8	2.4	2.6
Social sciences[d]	32.5	100.0	0.3	36.1	35.5	13.3	6.3	8.5
Engineering	30.0	100.0	1.6	59.7	26.8	7.0	2.4	2.5
Education	38.3	100.0	0.1	12.3	26.8	20.7	15.2	24.9
Humanities	34.2	100.0	D	22.2	40.4	19.1	D	9.6
Other[e]	35.1	100.0	D	22.4	31.1	19.2	D	16.2
Sex								
Male	31.4	100.0	0.8	45.2	31.1	11.8	5.3	5.7
Female	31.9	100.0	0.7	41.5	29.9	11.5	6.2	10.2
Citizenship status								
U.S. citizen or permanent resident	32.0	100.0	0.6	41.2	28.6	12.2	6.9	10.5
Temporary visa holder	31.0	100.0	1.1	48.6	34.8	10.6	3.2	1.8
Ethnicity and race (U.S. citizens and permanent residents)								
Hispanic or Latino	32.9	100.0	0.5	34.9	31.9	14.5	7.9	10.3
Not Hispanic or Latino								
American Indian or Alaska Native	34.7	100.0	D	25.2	27.2	18.4	6.8	D
Asian	31.4	100.0	1.0	44.3	29.2	14.0	5.6	6.0
Black or African American	35.5	100.0	0.4	25.7	25.8	15.1	13.0	20.0
White	31.8	100.0	0.6	42.9	28.3	11.5	6.4	10.4
More than one race	31.5	100.0	1.3	43.9	29.2	14.0	5.5	6.1
Other race or race not reported	32.2	100.0	D	37.9	37.0	9.8	8.1	D
Ethnicity not reported	32.8	100.0	1.2	37.7	28.4	11.3	9.3	12.1

D = suppressed to avoid disclosure of confidential information.

[a] Includes only doctorate recipients with valid year of birth.

[b] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[c] Includes mathematics and computer and information sciences.

[d] Includes psychology.

[e] Non-science and engineering fields not shown separately.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 28. Doctorate recipients reporting one or more functional limitations, by broad field of study, sex, and citizenship status: 2014

Demographic characteristic	One or more limitations of any type		Visual limitations		Hearing limitations		Walking limitations		Lifting limitations		Cognitive limitations	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All doctorate recipients	3,304	6.1	1,548	2.9	620	1.1	251	0.5	387	0.7	1,307	2.4
Field of study												
Life sciences[a]	692	5.5	300	2.4	127	1.0	46	0.4	63	0.5	297	2.4
Physical sciences[b]	626	6.3	321	3.3	125	1.3	31	0.3	55	0.6	229	2.3
Social sciences[c]	539	6.2	191	2.2	90	1.0	37	0.4	72	0.8	264	3.0
Engineering	580	6.1	376	3.9	103	1.1	44	0.5	68	0.7	174	1.8
Education	323	6.7	157	3.3	64	1.3	26	0.5	46	1.0	98	2.0
Humanities	355	6.5	112	2.0	72	1.3	37	0.7	46	0.8	173	3.2
Other[d]	189	5.9	91	2.8	39	1.2	30	0.9	37	1.2	72	2.2
Sex												
Male	1,735	6.0	853	2.9	363	1.2	125	0.4	152	0.5	708	2.4
Female	1,569	6.3	695	2.8	257	1.0	126	0.5	235	0.9	599	2.4
Citizenship status[e]												
U.S. citizen or permanent resident	2,187	6.4	706	2.1	476	1.4	174	0.5	223	0.7	1,058	3.1
Temporary visa holder	1,114	7.0	840	5.3	142	0.9	76	0.5	162	1.0	248	1.6

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] Excludes 3 doctorate recipients who did not report citizenship status.

NOTES: Individual doctorate recipients could report more than one functional limitation. Survey asks degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a functional limitation.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 29. Doctorate recipients who earned a master's degree related to doctorate, by broad field of doctoral study, sex, citizenship status, ethnicity, and race: 2014
(Percent)

Demographic characteristic	All doctorate recipients		Life sciences[a]		Physical sciences[b]		Social sciences[c]		Engineering		Education		Humanities		Other[d]	
	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's
All fields	68.9	54.9	48.6	34.4	60.6	51.7	80.9	64.2	71.6	64.9	86.5	59.9	84.1	67.7	80.7	60.2
Sex																
Male	67.8	55.2	46.4	31.8	61.2	52.0	80.0	62.9	72.6	66.3	85.3	56.2	83.6	68.6	79.3	58.6
Female	70.5	54.8	50.5	36.6	59.9	51.5	81.9	65.4	69.4	61.4	87.2	61.7	84.7	67.0	82.6	62.3
Citizenship status																
U.S. citizen or permanent resident	73.0	57.7	47.4	34.3	59.8	51.6	88.7	70.8	71.7	65.2	93.4	64.7	90.4	73.3	90.8	68.4
Temporary visa holder	76.1	62.2	64.1	43.6	70.2	59.7	89.0	69.9	79.1	71.8	92.3	65.1	89.9	70.8	86.7	63.7
Ethnicity and race (U.S. citizens and permanent residents)																
Hispanic or Latino	73.8	58.3	46.2	32.5	58.9	50.9	88.3	71.3	72.4	65.4	93.4	64.1	91.7	75.9	90.8	68.9
Not Hispanic or Latino																
American Indian or Alaska Native	74.8	59.2	76.2	61.9	D	D	80.8	61.5	D	D	89.5	73.7	87.5	68.8	D	D
Asian	70.7	55.7	47.8	32.7	66.9	56.2	90.7	70.0	75.1	68.2	91.4	68.5	91.0	72.0	91.8	63.9
Black or African American	83.5	58.7	61.4	41.0	65.7	51.7	92.3	60.0	82.6	73.1	97.1	66.2	89.2	63.3	96.3	70.1
White	73.7	59.0	46.8	34.6	59.9	52.1	90.0	73.5	72.5	65.8	95.4	66.2	91.4	74.7	92.3	70.2
More than one race	71.8	57.6	42.2	31.5	56.7	48.0	92.9	70.4	69.9	66.0	98.9	72.2	88.9	74.4	97.4	84.2
Other race or race not reported	69.5	54.4	57.1	39.7	D	D	80.5	63.4	D	D	91.3	65.2	82.1	59.0	D	D
Ethnicity not reported	24.3	16.7	19.0	10.7	22.3	20.4	24.8	17.3	16.8	16.8	26.1	9.9	42.3	32.4	24.0	14.0

D = suppressed to avoid disclosure of confidential information.

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

NOTES: Percentages based on total number of doctorate recipients. A master's degree is counted as "related master's" if fields of study of doctorate recipient's master's degree and doctorate degree are both in same major field category of National Science Foundation's field of study taxonomy. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 30. Doctorate recipients who had attended community college, by broad field of study, sex, citizenship status, ethnicity, and race: 2014
(Percent)

Demographic characteristic	All doctorate recipients	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
All doctorate recipients	12.4	13.8	9.5	13.9	7.2	19.5	13.9	13.7
Sex								
Male	11.3	13.1	9.4	13.3	7.1	20.3	15.1	13.2
Female	13.8	14.4	10.0	14.4	7.6	19.2	12.8	14.4
Citizenship status								
U.S. citizen or permanent resident	18.8	19.7	17.5	18.8	15.3	23.0	17.0	21.7
Temporary visa holder	1.7	1.8	1.2	1.4	1.4	6.5	2.4	2.6
Ethnicity and race (U.S. citizens and permanent residents)								
Hispanic or Latino	24.4	24.9	21.8	27.4	14.0	32.8	21.9	26.9
Not Hispanic or Latino								
American Indian or Alaska Native	35.0	38.1	D	34.6	D	57.9	D	0.0
Asian	14.2	12.6	13.5	17.4	13.0	19.8	18.0	9.5
Black or African American	19.6	21.1	15.7	17.3	15.6	21.8	16.3	24.3
White	19.0	20.1	18.0	18.4	16.2	22.8	16.7	22.7
More than one race	22.5	25.9	18.1	21.3	13.6	31.1	21.4	28.9
Other race or race not reported	19.1	19.0	D	29.3	D	17.4	D	22.2
Ethnicity not reported	5.6	5.0	9.7	4.5	2.1	5.4	8.5	4.0

D = suppressed to avoid disclosure of confidential information.

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

NOTE: Percentages based on total number of doctorate recipients.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 31. Median years to doctorate, by broad field of study: Selected years, 1989–2014

Field of study and time to degree	1989	1994	1999	2004	2009	2014
All fields						
Since bachelor's	10.6	10.8	10.5	10.0	9.3	8.8
Since starting graduate school	8.7	8.7	8.2	8.0	7.7	7.3
Life sciences[a]						
Since bachelor's	9.3	9.6	9.0	8.8	8.5	8.3
Since starting graduate school	7.7	7.7	7.3	7.0	7.0	6.7
Physical sciences[b]						
Since bachelor's	7.4	8.4	7.9	7.8	7.6	7.3
Since starting graduate school	6.5	7.2	6.7	6.7	6.7	6.5
Social sciences[c]						
Since bachelor's	10.6	10.5	10.0	10.0	9.4	9.4
Since starting graduate school	8.7	8.7	7.9	8.0	7.7	7.8
Engineering						
Since bachelor's	8.3	9.0	8.7	8.4	7.9	7.3
Since starting graduate school	6.7	7.2	7.2	7.2	6.9	6.5
Education						
Since bachelor's	17.3	19.7	19.8	17.7	16.3	14.7
Since starting graduate school	14.2	15.9	14.7	12.7	12.4	11.7
Humanities						
Since bachelor's	12.6	12.0	11.7	11.6	11.3	11.0
Since starting graduate school	10.7	10.0	9.7	9.7	9.5	9.2
Other[d]						
Since bachelor's	13.3	13.5	14.0	13.0	12.4	11.5
Since starting graduate school	10.7	10.7	10.7	10.0	9.7	9.2

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

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

TABLE 32. Median years to doctorate, by broad field of study, sex, citizenship status, ethnicity, and race: 2014

Time to degree and demographic characteristic	All fields		Life sciences[a]		Physical sciences[b]		Social sciences[c]		Engineering		Education		Humanities		Other[d]	
	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number
Years since bachelor's																
All doctorate recipients[e]	8.8	48,757	8.3	11,333	7.3	8,941	9.4	7,651	7.3	8,720	14.7	4,343	11.0	4,987	11.5	2,782
Sex																
Male	8.4	26,220	8.2	4,941	7.3	6,345	9.6	3,087	7.4	6,692	15.2	1,324	11.0	2,451	11.4	1,380
Female	9.2	22,525	8.3	6,391	7.2	2,591	9.3	4,563	7.0	2,026	14.5	3,017	11.0	2,536	11.6	1,401
Citizenship status																
U.S. citizen or permanent resident	9.0	33,390	8.0	8,287	7.0	4,990	9.4	6,130	7.0	3,967	15.0	3,854	11.0	4,293	12.6	1,869
Temporary visa holder	8.3	15,048	8.4	2,982	7.7	3,888	9.5	1,461	7.6	4,715	12.2	458	11.0	665	10.2	879
Ethnicity and race (U.S. citizens and permanent residents)																
Hispanic or Latino	9.5	2,160	8.3	524	7.6	273	9.9	444	7.3	240	14.5	254	11.0	311	11.5	114
Not Hispanic or Latino																
American Indian or Alaska Native	10.7	103	11.6	21	6.6	13	12.4	26	8.5	6	D	D	10.9	16	D	D
Asian	9.0	2,823	8.5	846	7.9	484	9.6	390	7.4	564	13.4	195	12.0	187	12.7	157
Black or African American	11.6	2,140	9.3	494	8.6	177	11.3	411	7.8	166	15.7	517	13.2	164	15.2	211
White	9.0	24,531	8.0	6,021	7.0	3,786	9.3	4,567	6.7	2,762	15.3	2,687	10.9	3,409	12.2	1,299
More than one race	8.6	868	8.0	231	7.0	125	9.2	167	6.0	103	13.5	88	11.0	116	12.9	38
Other race or race not reported	9.3	263	9.1	61	7.0	46	10.7	38	6.0	41	D	D	10.9	38	D	D
Ethnicity not reported	9.2	502	9.3	89	7.2	86	9.0	87	7.0	85	16.4	72	11.8	52	12.6	31
Years since entering graduate school																
All doctorate recipients[f]	7.3	48,728	6.7	11,417	6.5	8,996	7.8	7,605	6.5	8,711	11.7	4,273	9.2	4,962	9.2	2,764
Sex																
Male	7.2	26,269	6.7	4,982	6.6	6,405	7.9	3,072	6.6	6,701	11.7	1,298	9.0	2,443	9.0	1,368
Female	7.7	22,450	6.8	6,433	6.3	2,587	7.7	4,532	6.3	2,008	11.5	2,975	9.2	2,519	9.4	1,396
Citizenship status																
U.S. citizen or permanent resident	7.6	33,095	6.7	8,283	6.3	4,947	7.7	6,055	6.2	3,921	11.9	3,789	9.0	4,255	9.9	1,845
Temporary visa holder	7.3	15,240	7.3	3,057	6.8	3,966	8.2	1,481	6.7	4,726	9.5	456	9.7	672	8.3	882
Ethnicity and race (U.S. citizens and permanent residents)																
Hispanic or Latino	8.0	2,123	6.8	514	6.6	267	8.1	439	6.7	236	11.3	245	9.1	308	9.7	114
Not Hispanic or Latino																
American Indian or Alaska Native	9.3	96	9.9	21	5.7	13	9.7	21	7.3	6	D	D	10.1	16	D	D
Asian	7.3	2,846	6.8	858	6.9	492	7.8	392	6.4	571	10.8	192	9.7	186	9.9	155
Black or African American	9.7	2,136	7.7	497	7.3	177	9.7	409	7.0	164	13.0	517	10.7	160	11.7	212
White	7.3	24,549	6.7	6,055	6.1	3,790	7.4	4,551	6.0	2,783	12.0	2,674	9.0	3,402	9.6	1,294

TABLE 32. Median years to doctorate, by broad field of study, sex, citizenship status, ethnicity, and race: 2014

Time to degree and demographic characteristic	All fields		Life sciences[a]		Physical sciences[b]		Social sciences[c]		Engineering		Education		Humanities		Other[d]	
	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number	Median	Number
More than one race	7.2	873	6.3	232	6.3	126	7.9	168	5.7	103	10.8	90	9.3	116	9.8	38
Other race or race not reported	7.7	254	6.9	60	6.3	44	7.7	39	5.7	38	D	D	9.1	35	D	D
Ethnicity not reported	8.0	218	7.7	46	6.5	38	8.4	36	5.8	20	8.9	31	9.7	32	12.0	15

D = suppressed to avoid disclosure of confidential information.

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] Includes only cases with valid year of bachelor's award.

[f] Includes only cases with valid year of entry into graduate school.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 33. Educational attainment of doctorate recipients' parents, by sex, citizenship status, ethnicity, race, and broad field of study: 2014

Demographic characteristic and broad field of study	Total (number)	Parental education attainment (%)				
		All	High school or less	Some college[a]	Bachelor's degree	Advanced degree
All doctorate recipients						
Father's education[b]	46,495	100.0	24.3	13.0	27.1	35.6
Mother's education[c]	46,650	100.0	30.4	15.9	28.1	25.6
Sex						
Male						
Father's education	24,980	100.0	25.1	12.3	27.5	35.2
Mother's education	25,002	100.0	32.4	15.1	28.5	24.0
Female						
Father's education	21,515	100.0	23.4	13.9	26.7	36.1
Mother's education	21,648	100.0	28.0	16.8	27.7	27.5
Citizenship status						
U.S. citizen or permanent resident						
Father's education	31,860	100.0	21.3	14.1	24.6	39.9
Mother's education	32,067	100.0	24.3	17.9	27.6	30.1
Temporary visa holder						
Father's education	14,596	100.0	30.8	10.6	32.5	26.1
Mother's education	14,542	100.0	43.7	11.5	29.2	15.6
Ethnicity and race (U.S. citizens and permanent residents)						
Hispanic or Latino						
Father's education	2,006	100.0	36.3	13.8	21.1	28.8
Mother's education	2,040	100.0	38.0	18.0	21.7	22.3
Not Hispanic or Latino						
American Indian or Alaska Native						
Father's education	92	100.0	42.4	15.2	14.1	28.3
Mother's education	92	100.0	40.2	22.8	15.2	21.7
Asian						
Father's education	2,740	100.0	20.5	9.4	26.1	43.9
Mother's education	2,745	100.0	31.0	11.9	30.1	27.0
Black or African American						
Father's education	1,948	100.0	40.4	20.8	16.0	22.8
Mother's education	2,019	100.0	36.9	21.2	18.1	23.8
White						
Father's education	23,875	100.0	18.7	14.1	25.6	41.6
Mother's education	23,967	100.0	21.3	18.4	28.8	31.6
More than one race						
Father's education	841	100.0	19.3	16.4	20.9	43.4
Mother's education	847	100.0	23.7	17.2	26.3	32.7
Other race or race not reported						
Father's education	226	100.0	18.6	13.3	25.2	42.9
Mother's education	226	100.0	23.9	16.4	31.0	28.8
Ethnicity not reported						
Father's education	132	100.0	19.7	6.8	23.5	50.0
Mother's education	131	100.0	27.5	11.5	20.6	40.5
Field of study						
Life sciences[d]						
Father's education	10,969	100.0	23.3	13.2	27.1	36.3
Mother's education	11,005	100.0	28.5	16.2	28.6	26.7
Physical sciences[e]						
Father's education	8,551	100.0	24.7	12.4	28.3	34.5
Mother's education	8,558	100.0	31.5	14.9	29.2	24.4
Social sciences[f]						
Father's education	7,227	100.0	22.6	13.7	25.0	38.7

TABLE 33. Educational attainment of doctorate recipients' parents, by sex, citizenship status, ethnicity, race, and broad field of study: 2014

Demographic characteristic and broad field of study	Total (number)	Parental education attainment (%)				
		All	High school or less	Some college[a]	Bachelor's degree	Advanced degree
Mother's education	7,280	100.0	27.0	17.1	26.6	29.3
Engineering						
Father's education	8,326	100.0	24.6	11.3	31.6	32.6
Mother's education	8,334	100.0	33.8	14.1	31.0	21.1
Education						
Father's education	4,058	100.0	32.4	17.1	22.1	28.3
Mother's education	4,089	100.0	37.1	19.8	21.9	21.1
Humanities						
Father's education	4,792	100.0	20.3	12.3	24.2	43.1
Mother's education	4,800	100.0	24.2	15.1	28.2	32.5
Other[g]						
Father's education	2,572	100.0	26.0	12.6	27.4	34.1
Mother's education	2,584	100.0	33.3	16.0	27.5	23.2

[a] Includes those who attended college but did not earn a bachelor's.

[b] Total count excludes 7,053 who did not report father's education and 522 (1.0%) who reported "not applicable/unknown."

[c] Total count excludes 7,033 who did not report mother's education and 387 (0.7%) who reported "not applicable/unknown."

[d] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[e] Includes mathematics and computer and information sciences.

[f] Includes psychology.

[g] Non-science and engineering fields not shown separately.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 34. Highest educational attainment of either parent of doctorate recipients: Selected years, 1984–2014
(Percent)

Year	High school or less	Some college[a]	Bachelor's degree	Advanced degree
1984	38.3	15.0	22.5	24.2
1989	34.5	13.9	23.4	28.1
1994	30.0	15.2	21.1	33.7
1999	25.1	13.6	21.9	39.4
2004	22.7	13.4	23.8	39.7
2009	20.1	13.0	25.3	41.2
2014	18.1	12.2	26.1	43.0

[a] Includes those who attended college but did not earn a bachelor's.

NOTE: Percentages may not sum to 100 because of rounding and because 170 doctorate recipients (0.4%) reported "not applicable/unknown" for both father's and mother's education in 2004, 209 doctorate recipients (0.5%) reported "not applicable/unknown" for both father's and mother's education in 2009, and 253 doctorate recipients (0.5%) reported "not applicable/unknown" for both father's and mother's education in 2014.

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

TABLE 35. Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2014
(Percent)

Primary source of support and broad field of study	Total[a]	Sex		Citizenship status		U.S. citizens and permanent residents							
							Not Hispanic or Latino						
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
All fields (number)	47,583	25,632	21,942	32,263	14,885	2,054	91	2,770	2,065	23,986	857	237	203
Teaching assistantships	20.6	20.3	21.0	20.0	22.2	18.5	19.8	17.2	11.3	21.2	18.6	19.4	19.2
Research assistantships or traineeships	32.2	37.7	25.8	24.1	49.9	18.0	11.0	31.4	13.6	24.8	23.6	23.6	26.6
Fellowships or grants	27.3	25.9	28.9	30.5	20.4	37.8	30.8	35.4	30.5	29.0	36.5	35.0	29.1
Own resources	15.2	11.1	20.1	20.9	2.8	22.1	31.9	12.1	38.4	20.4	18.9	16.5	21.2
Employer	3.2	3.2	3.1	4.4	0.4	3.4	D	3.7	6.2	4.5	D	D	3.9
Other	1.5	1.7	1.2	0.2	4.3	0.2	D	0.2	0.1	0.2	D	D	0.0
Life sciences (number)[b]	11,158	4,855	6,301	8,091	2,983	501	20	838	483	5,921	227	57	44
Teaching assistantships	12.1	12.0	12.2	11.2	14.5	9.6	D	9.8	6.4	12.1	D	7.0	11.4
Research assistantships or traineeships	33.1	35.7	31.1	27.6	48.1	21.0	D	30.0	17.2	28.7	25.6	D	22.7
Fellowships or grants	40.9	41.4	40.5	45.2	29.4	56.5	55.0	48.2	46.2	43.5	52.4	40.4	47.7
Own resources	9.0	6.5	10.9	11.8	1.3	10.6	D	8.6	26.1	11.2	D	14.0	15.9
Employer	3.1	2.5	3.6	4.1	0.5	2.4	D	3.5	4.1	D	2.2	D	2.3
Other	1.7	1.9	1.7	0.1	6.1	0.0	D	0.0	0.0	D	D	0.0	0.0
Physical sciences (number)[c]	8,803	6,272	2,527	4,849	3,866	260	13	479	173	3,726	123	41	34
Teaching assistantships	27.7	26.7	30.3	24.4	32.0	23.8	D	24.4	26.6	24.4	D	29.3	17.6
Research assistantships or traineeships	45.8	47.7	41.1	40.6	52.3	30.8	D	41.3	20.8	42.1	D	39.0	50.0
Fellowships or grants	20.2	19.0	23.0	25.9	12.9	35.8	D	24.2	35.3	24.8	30.1	D	29.4
Own resources	3.8	3.8	3.8	6.3	0.6	5.8	0.0	6.7	13.3	6.0	5.7	7.3	2.9
Employer	1.6	1.8	0.9	2.7	0.2	D	0.0	3.3	4.0	D	D	0.0	0.0
Other	1.0	1.1	0.9	0.2	2.0	D	0.0	0.0	0.0	D	0.0	D	0.0
Social sciences (number)[d]	7,418	3,001	4,416	5,885	1,454	423	19	382	392	4,430	166	38	35
Teaching assistantships	28.4	31.7	26.2	26.0	38.7	21.5	36.8	29.3	14.5	27.1	22.3	34.2	31.4
Research assistantships or traineeships	17.7	16.1	18.8	17.2	19.1	13.7	0.0	D	10.7	18.3	D	13.2	17.1
Fellowships or grants	25.6	27.8	24.1	24.1	31.8	32.6	D	31.7	25.3	22.5	25.3	D	20.0
Own resources	25.3	20.4	28.6	30.0	5.8	30.0	42.1	20.2	44.4	29.5	33.1	15.8	28.6
Employer	2.0	2.7	1.6	D	D	2.1	0.0	D	4.6	2.4	D	D	2.9
Other	1.0	1.4	0.8	D	D	0.0	D	D	0.5	0.1	0.0	0.0	0.0
Engineering (number)	8,520	6,561	1,957	3,833	4,620	230	6	552	161	2,727	101	36	20
Teaching assistantships	8.5	8.5	8.3	6.1	10.4	4.8	0.0	7.2	6.8	5.9	7.9	11.1	0.0
Research assistantships or traineeships	60.0	61.7	54.3	46.0	71.7	40.9	D	52.5	28.6	46.2	46.5	D	55.0
Fellowships or grants	21.8	19.3	30.4	34.2	11.5	40.4	0.0	28.8	45.3	33.8	39.6	41.7	35.0
Own resources	3.8	4.1	3.0	6.4	1.6	5.2	D	5.4	9.3	6.7	D	D	0.0
Employer	3.4	3.8	2.1	6.9	0.4	8.3	0.0	D	9.3	7.0	D	11.1	10.0
Other	2.5	2.7	1.9	0.3	4.4	0.4	0.0	D	0.6	0.3	0.0	D	0.0
Education (number)	4,154	1,250	2,904	3,674	445	233	D	184	503	2,601	87	D	29
Teaching assistantships	12.1	11.2	12.5	11.3	19.1	D	0.0	14.7	5.0	12.6	10.3	10.0	D
Research assistantships or traineeships	15.2	14.5	15.5	13.1	33.0	D	D	21.2	9.1	13.5	D	15.0	D

TABLE 35. Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2014
(Percent)

Primary source of support and broad field of study	Total[a]	Sex		Citizenship status		U.S. citizens and permanent residents							
							Not Hispanic or Latino						
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
Fellowships or grants	13.6	12.2	14.1	12.8	20.2	15.9	D	17.9	15.3	11.3	21.8	D	13.8
Own resources	48.4	48.5	48.4	52.3	16.0	58.8	64.7	38.6	60.8	51.1	51.7	40.0	51.7
Employer	9.4	12.1	8.2	10.3	1.1	D	D	7.1	9.7	11.3	D	10.0	D
Other	1.3	1.5	1.2	0.2	10.6	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.0
Humanities (number)	4,871	2,386	2,485	4,169	660	300	15	183	156	3,339	116	32	28
Teaching assistantships	40.9	40.0	41.7	42.0	34.1	38.7	33.3	31.1	26.9	43.8	41.4	25.0	50.0
Research assistantships or traineeships	2.2	1.6	2.7	2.0	3.5	1.7	0.0	D	3.8	1.9	D	0.0	0.0
Fellowships or grants	34.6	35.7	33.5	32.2	49.7	34.7	33.3	53.0	39.7	30.0	38.8	56.3	28.6
Own resources	20.3	20.4	20.3	22.3	7.0	23.3	33.3	13.1	25.0	22.9	15.5	18.8	21.4
Employer	1.3	1.5	1.0	D	D	D	0.0	D	4.5	1.3	D	0.0	0.0
Other	0.8	0.9	0.7	D	D	D	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Other (number)[e]	2,659	1,307	1,352	1,762	857	107	D	152	197	1,242	37	D	13
Teaching assistantships	26.7	27.2	26.3	23.6	32.9	D	0.0	27.0	11.2	25.0	21.6	23.1	D
Research assistantships or traineeships	16.7	15.6	17.8	13.5	23.7	D	0.0	14.5	10.7	14.4	16.2	23.1	D
Fellowships or grants	23.8	25.6	22.0	21.1	29.3	27.1	0.0	33.6	17.3	19.6	29.7	7.7	15.4
Own resources	26.8	24.6	28.9	35.4	9.2	36.4	D	19.7	55.3	34.0	32.4	D	30.8
Employer	4.7	5.5	4.0	6.3	1.4	D	0.0	3.9	5.6	7.0	0.0	0.0	D
Other	1.2	1.5	1.0	0.2	3.5	0.0	0.0	1.3	0.0	0.1	0.0	0.0	0.0

D = suppressed to avoid disclosure of confidential information.

[a] Includes 9 doctorate recipients for whom sex was not reported, and 435 with missing citizenship information.

[b] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[c] Includes mathematics and computer and information sciences.

[d] Includes psychology.

[e] Non-science and engineering fields not shown separately.

NOTES: Includes only doctorate recipients who reported primary source of support. Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 36. Doctorate recipients' sources of financial support, by sex and broad field of study: 2014
(Percent)

Financial resource	All fields		Life sciences[a]		Physical sciences[b]		Social sciences[c]		Engineering		Education		Humanities		Other[d]	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Unduplicated total (number)[e]	25,708	22,005	4,868	6,315	6,293	2,536	3,006	4,431	6,573	1,963	1,252	2,909	2,401	2,494	1,315	1,357
Fellowship or scholarship	58.8	62.2	62.7	64.4	55.6	59.3	68.3	65.4	50.0	60.0	39.3	44.1	81.3	79.4	60.2	57.7
Grant	34.3	38.3	50.4	49.8	31.9	37.6	37.2	36.7	26.8	33.3	17.3	22.6	39.8	42.9	23.0	24.5
Assistantship																
Teaching	65.4	62.4	48.5	47.6	81.1	85.0	75.3	73.3	57.3	57.5	32.4	37.7	84.4	86.6	67.7	69.4
Research	66.3	56.8	60.6	55.9	80.4	79.3	57.4	60.0	82.5	82.2	32.3	37.0	31.9	34.7	55.2	54.6
Other	5.4	7.6	3.2	3.2	3.4	3.2	9.1	11.9	3.5	3.6	10.9	13.0	11.2	12.4	7.4	8.4
Traineeship	3.4	5.1	10.0	10.9	2.1	2.1	3.2	5.1	2.1	3.8	0.4	1.3	0.7	0.9	0.8	1.0
Internship or clinical residency	6.7	7.2	2.0	2.1	9.3	7.6	10.0	19.2	9.7	9.1	2.4	4.6	1.5	2.1	2.4	2.3
Loan (any source)	22.7	31.4	19.5	22.0	13.2	13.6	41.0	47.6	10.9	9.2	46.9	47.6	44.2	41.4	34.5	35.4
Personal sources																
Savings	37.4	43.2	32.1	34.7	28.4	28.0	51.6	52.4	29.5	27.3	61.3	58.4	54.0	53.8	54.6	51.4
Other earnings during graduate school	23.1	31.3	16.5	20.9	14.1	12.9	36.7	41.0	13.0	11.3	55.2	51.0	48.6	49.2	33.5	35.4
Spouse's, partner's, or family's earnings or savings	25.5	36.9	23.7	30.2	17.6	22.2	36.5	47.4	18.5	20.1	33.7	44.4	45.5	51.2	36.0	43.3
Employer reimbursement or assistance	8.7	9.7	7.5	10.1	6.4	5.7	7.9	7.7	8.2	5.2	27.6	21.3	7.4	5.9	13.5	11.0
Foreign (non-U.S.) support	6.2	4.0	5.4	3.7	5.3	3.6	6.9	3.7	7.9	5.3	3.8	3.1	6.3	5.4	6.5	4.7
Other	0.2	0.2	0.1	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.3

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] The 3,341 male doctorate recipients and 2,852 female doctorate recipients who did not report sources of support are omitted from this total. Also omitted from this total are 155 doctorate recipients who did not report sex. Percentages based on known responses.

NOTES: In this table a respondent counts once in each source category from which he or she received support. Because students indicate multiple sources of support, percentages sum to more than 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 37. Doctorate recipients' sources of financial support, by sex and broad field of study: 2014
(Percent distribution)

Financial resource and sex	All fields (number)	All fields	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
Male doctorate recipients									
Unduplicated count[e]	25,708	100.0	18.9	24.5	11.7	25.6	4.9	9.3	5.1
Fellowship or scholarship	15,126	100.0	20.2	23.1	13.6	21.7	3.3	12.9	5.2
Grant	8,814	100.0	27.9	22.8	12.7	20.0	2.5	10.8	3.4
Teaching assistantship	16,822	100.0	14.0	30.4	13.5	22.4	2.4	12.0	5.3
Research assistantship	17,052	100.0	17.3	29.7	10.1	31.8	2.4	4.5	4.3
Other assistantship	1,376	100.0	11.3	15.5	19.8	16.8	10.0	19.6	7.0
Traineeship	885	100.0	55.1	14.8	11.0	15.3	0.6	2.0	1.2
Internship or clinical residency	1,721	100.0	5.8	34.0	17.5	37.0	1.7	2.1	1.8
Loans (from any source)	5,834	100.0	16.3	14.3	21.1	12.3	10.1	18.2	7.8
Personal savings	9,625	100.0	16.2	18.6	16.1	20.2	8.0	13.5	7.5
Other personal earnings during graduate school	5,948	100.0	13.5	14.9	18.5	14.4	11.6	19.6	7.4
Spouse's, partner's, or family's earnings or savings	6,560	100.0	17.6	16.9	16.7	18.5	6.4	16.7	7.2
Employer reimbursement or assistance	2,244	100.0	16.3	17.9	10.5	24.1	15.4	7.9	7.9
Foreign (non-U.S.) support	1,602	100.0	16.3	20.8	12.9	32.3	2.9	9.5	5.3
Other	44	100.0	15.9	25.0	2.3	31.8	6.8	15.9	2.3
Female doctorate recipients									
Unduplicated count[f]	22,005	100.0	28.7	11.5	20.1	8.9	13.2	11.3	6.2
Fellowship or scholarship	13,693	100.0	29.7	11.0	21.2	8.6	9.4	14.5	5.7
Grant	8,432	100.0	37.3	11.3	19.3	7.7	7.8	12.7	3.9
Teaching assistantship	13,741	100.0	21.9	15.7	23.7	8.2	8.0	15.7	6.9
Research assistantship	12,499	100.0	28.3	16.1	21.3	12.9	8.6	6.9	5.9
Other assistantship	1,682	100.0	12.0	4.9	31.4	4.2	22.4	18.4	6.8
Traineeship	1,119	100.0	61.8	4.6	20.4	6.6	3.5	2.0	1.2
Internship or clinical residency	1,576	100.0	8.6	12.3	54.1	11.4	8.4	3.3	2.0
Loans (from any source)	6,920	100.0	20.1	5.0	30.4	2.6	20.0	14.9	7.0
Personal savings	9,496	100.0	23.1	7.5	24.5	5.6	17.9	14.1	7.3
Other personal earnings during graduate school	6,877	100.0	19.2	4.8	26.4	3.2	21.6	17.9	7.0
Spouse's, partner's, or family's earnings or savings	8,126	100.0	23.5	6.9	25.9	4.9	15.9	15.7	7.2
Employer reimbursement or assistance	2,143	100.0	29.9	6.8	15.8	4.8	29.0	6.8	7.0
Foreign (non-U.S.) support	880	100.0	26.4	10.5	18.8	11.8	10.1	15.2	7.3
Other	43	100.0	32.6	2.3	20.9	7.0	18.6	9.3	9.3

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] The 3,341 male doctorate recipients who did not report sources of support are omitted from this number.

[f] The 2,852 female doctorate recipients who did not report sources of support are omitted from this number.

NOTES: In this table a recipient counts once in each source category from which he or she received support. Because students indicate multiple sources of support, sum of individual sources of support exceeds unduplicated total. Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 38. Education-related debt of doctorate recipients, by broad field of study: 2014

Debt level	Total		Life sciences[a]		Physical sciences[b]		Social sciences[c]		Engineering		Education		Humanities		Other[d]	
Cumulative debt																
Mean	$22,392		$19,605		$12,365		$34,999		$11,645		$36,260		$29,953		$30,776	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No debt	25,426	52.3	6,058	53.1	5,830	64.9	2,950	38.9	5,710	65.7	1,638	38.5	1,956	39.5	1,284	46.7
$10,000 or less	4,439	9.1	1,067	9.4	816	9.1	619	8.2	885	10.2	370	8.7	469	9.5	213	7.7
$10,001–$20,000	3,727	7.7	1,043	9.1	630	7.0	592	7.8	576	6.6	272	6.4	454	9.2	160	5.8
$20,001–$30,000	2,852	5.9	762	6.7	484	5.4	461	6.1	444	5.1	214	5.0	349	7.1	138	5.0
$30,001–$40,000	1,871	3.8	439	3.9	263	2.9	360	4.7	214	2.5	213	5.0	274	5.5	108	3.9
$40,001–$50,000	1,696	3.5	355	3.1	223	2.5	351	4.6	190	2.2	222	5.2	248	5.0	107	3.9
$50,001–$60,000	1,283	2.6	295	2.6	146	1.6	267	3.5	136	1.6	157	3.7	172	3.5	110	4.0
$60,001–$70,000	1,175	2.4	261	2.3	128	1.4	262	3.5	95	1.1	177	4.2	172	3.5	80	2.9
$70,001–$80,000	893	1.8	204	1.8	81	0.9	230	3.0	74	0.9	124	2.9	123	2.5	57	2.1
$80,001–$90,000	1,234	2.5	240	2.1	109	1.2	284	3.7	111	1.3	189	4.4	181	3.7	120	4.4
$90,001 or more	4,010	8.3	675	5.9	269	3.0	1,209	15.9	250	2.9	681	16.0	552	11.2	374	13.6
Total	48,606	100.0	11,399	100.0	8,979	100.0	7,585	100.0	8,685	100.0	4,257	100.0	4,950	100.0	2,751	100.0
Graduate debt																
Mean	$15,591		$12,049		$6,708		$26,931		$6,690		$28,412		$22,405		$24,251	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No debt	29,345	62.7	7,430	67.9	6,772	78.0	3,387	46.3	6,382	76.1	1,727	42.4	2,301	48.4	1,346	50.7
$10,000 or less	3,843	8.2	874	8.0	644	7.4	592	8.1	736	8.8	348	8.5	447	9.4	202	7.6
$10,001–$20,000	2,470	5.3	553	5.1	326	3.8	445	6.1	360	4.3	264	6.5	362	7.6	160	6.0
$20,001–$30,000	1,967	4.2	449	4.1	232	2.7	400	5.5	256	3.1	236	5.8	271	5.7	123	4.6
$30,001–$40,000	1,405	3.0	276	2.5	147	1.7	323	4.4	121	1.4	190	4.7	235	4.9	113	4.3
$40,001–$50,000	1,304	2.8	270	2.5	132	1.5	295	4.0	132	1.6	201	4.9	181	3.8	93	3.5
$50,001–$60,000	1,117	2.4	211	1.9	91	1.0	280	3.8	90	1.1	172	4.2	174	3.7	99	3.7
$60,001–$70,000	910	1.9	168	1.5	72	0.8	222	3.0	68	0.8	169	4.1	132	2.8	79	3.0
$70,001–$80,000	749	1.6	116	1.1	59	0.7	190	2.6	47	0.6	142	3.5	123	2.6	72	2.7
$80,001–$90,000	1,252	2.7	211	1.9	88	1.0	356	4.9	88	1.0	208	5.1	176	3.7	125	4.7
$90,001 or more	2,458	5.2	390	3.6	123	1.4	826	11.3	106	1.3	418	10.3	351	7.4	244	9.2
Total	46,820	100.0	10,948	100.0	8,686	100.0	7,316	100.0	8,386	100.0	4,075	100.0	4,753	100.0	2,656	100.0
Undergraduate debt																
Mean	$7,976		$8,605		$6,328		$9,622		$5,714		$10,105		$9,025		$8,060	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No debt	31,198	69.4	7,122	66.9	6,198	74.3	4,543	63.9	6,079	77.1	2,506	65.6	2,920	63.1	1,830	72.8
$10,000 or less	3,471	7.7	853	8.0	560	6.7	613	8.6	546	6.9	298	7.8	443	9.6	158	6.3
$10,001–$20,000	3,462	7.7	945	8.9	552	6.6	661	9.3	416	5.3	299	7.8	452	9.8	137	5.5
$20,001–$30,000	2,568	5.7	660	6.2	426	5.1	479	6.7	329	4.2	219	5.7	331	7.2	124	4.9
$30,001–$40,000	1,440	3.2	365	3.4	213	2.6	285	4.0	166	2.1	149	3.9	179	3.9	83	3.3
$40,001–$50,000	942	2.1	215	2.0	147	1.8	179	2.5	113	1.4	108	2.8	119	2.6	61	2.4
$50,001–$60,000	621	1.4	162	1.5	79	0.9	102	1.4	78	1.0	82	2.1	74	1.6	44	1.8
$60,001–$70,000	382	0.9	96	0.9	64	0.8	83	1.2	36	0.5	49	1.3	33	0.7	21	0.8
$70,001–$80,000	222	0.5	72	0.7	22	0.3	48	0.7	31	0.4	24	0.6	17	0.4	8	0.3

TABLE 38. Education-related debt of doctorate recipients, by broad field of study: 2014

Debt level	Total		Life sciences[a]		Physical sciences[b]		Social sciences[c]		Engineering		Education		Humanities		Other[d]	
$80,001–$90,000	325	0.7	81	0.8	42	0.5	55	0.8	46	0.6	42	1.1	40	0.9	19	0.8
$90,001 or more	304	0.7	71	0.7	34	0.4	65	0.9	43	0.5	42	1.1	21	0.5	28	1.1
Total	44,935	100.0	10,642	100.0	8,337	100.0	7,113	100.0	7,883	100.0	3,818	100.0	4,629	100.0	2,513	100.0

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

NOTES: Mean calculations are based on all valid responses to debt item. See technical notes for details on calculations of means.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 39. Graduate education-related debt of doctorate recipients, by broad field of study: 2004–14

Debt level and broad field of study	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
All doctorate recipients	37,772	38,780	41,024	42,987	44,075	45,137	43,897	44,782	46,491	46,459	46,820
No debt	24,825	26,018	27,889	27,877	28,228	28,442	28,104	28,663	29,297	28,897	29,345
$10,000 or less	3,057	2,933	3,123	3,591	3,929	3,915	3,510	3,697	4,031	3,932	3,843
$10,001–$30,000	3,605	3,582	3,470	4,264	4,461	4,582	4,238	4,314	4,565	4,606	4,437
$30,001 or more	6,285	6,247	6,542	7,255	7,457	8,198	8,045	8,108	8,598	9,024	9,195
Life sciences[a]	8,015	8,448	8,823	9,754	10,163	10,507	10,410	10,610	11,178	10,955	10,948
No debt	5,635	6,077	6,406	6,773	7,016	7,158	7,228	7,403	7,699	7,364	7,430
$10,000 or less	634	631	652	818	891	930	842	847	948	916	874
$10,001–$30,000	747	762	712	928	962	1,019	939	907	1,008	1,025	1,002
$30,001 or more	999	978	1,053	1,235	1,294	1,400	1,401	1,453	1,523	1,650	1,642
Physical sciences[b]	5,581	6,082	6,814	7,208	7,385	7,660	7,671	8,005	8,182	8,315	8,686
No debt	4,317	4,800	5,404	5,573	5,707	5,926	5,999	6,203	6,358	6,500	6,772
$10,000 or less	470	439	507	604	624	627	566	624	626	628	644
$10,001–$30,000	355	406	410	495	507	512	510	533	564	562	558
$30,001 or more	439	437	493	536	547	595	596	645	634	625	712
Social sciences[c]	6,205	6,265	6,352	6,340	6,700	7,000	6,987	7,240	7,452	7,268	7,316
No debt	3,236	3,378	3,467	3,156	3,309	3,391	3,373	3,468	3,496	3,377	3,387
$10,000 or less	471	452	443	515	577	590	541	622	641	598	592
$10,001–$30,000	760	685	684	743	869	849	853	867	963	853	845
$30,001 or more	1,738	1,750	1,758	1,926	1,945	2,170	2,220	2,283	2,352	2,440	2,492
Engineering	5,250	5,749	6,455	6,924	7,130	7,034	6,959	7,320	7,699	7,913	8,386
No debt	3,990	4,484	5,096	5,355	5,416	5,340	5,321	5,614	5,869	5,941	6,382
$10,000 or less	461	433	532	540	643	609	580	635	692	699	736
$10,001–$30,000	358	358	381	491	526	550	527	504	545	611	616
$30,001 or more	441	474	446	538	545	535	531	567	593	662	652
Education	5,757	5,463	5,489	5,721	5,868	5,898	4,766	4,255	4,396	4,302	4,075
No debt	3,573	3,397	3,398	3,224	3,163	2,967	2,445	2,152	2,114	1,899	1,727
$10,000 or less	443	406	412	470	520	488	365	312	373	362	348
$10,001–$30,000	564	536	506	651	711	727	556	542	534	574	500
$30,001 or more	1,177	1,124	1,173	1,376	1,474	1,716	1,400	1,249	1,375	1,467	1,500
Humanities	4,746	4,588	4,750	4,525	4,249	4,441	4,549	4,798	5,008	4,956	4,753
No debt	2,686	2,519	2,682	2,349	2,195	2,254	2,350	2,444	2,399	2,405	2,301
$10,000 or less	436	420	381	452	479	474	435	470	537	523	447
$10,001–$30,000	610	604	578	653	572	612	567	648	673	678	633
$30,001 or more	1,014	1,045	1,109	1,071	1,003	1,101	1,197	1,236	1,399	1,350	1,372
Other[d]	2,218	2,185	2,341	2,515	2,580	2,597	2,555	2,554	2,576	2,750	2,656
No debt	1,388	1,363	1,436	1,447	1,422	1,406	1,388	1,379	1,362	1,411	1,346
$10,000 or less	142	152	196	192	195	197	181	187	214	206	202
$10,001–$30,000	211	231	199	303	314	313	286	313	278	303	283
$30,001 or more	477	439	510	573	649	681	700	675	722	830	825

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology

[d] Non-science and engineering fields not shown separately.

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

TABLE 40. Education-related debt of doctorate recipients, by sex, citizenship status, ethnicity, and race: 2014

Debt level	Sex				Citizenship status				U.S. citizens and permanent residents																	
											Not Hispanic or Latino															
	Male		Female		U.S. citizen or permanent resident		Temporary visa holder		Hispanic or Latino		American Indian or Alaska Native		Asian		Black or African American		White		More than one race		Other race or race not reported		Ethnicity not reported	
Cumulative debt																										
Mean	$19,740		$25,506		$29,012		$7,932		$35,677		$37,872		$14,202		$58,897		$27,400		$33,499		$25,585		$29,078			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
No debt	14,302	54.6	11,115	49.6	13,849	41.9	11,358	74.8	686	32.3	30	31.9	1,717	60.5	408	19.2	10,473	42.7	333	38.1	112	45.2	90	43.7		
$10,000 or less	2,574	9.8	1,865	8.3	2,967	9.0	1,438	9.5	224	10.6	9	9.6	308	10.8	142	6.7	2,168	8.8	77	8.8	21	8.5	18	8.7		
$10,001–$20,000	1,994	7.6	1,733	7.7	3,038	9.2	664	4.4	190	9.0	13	13.8	214	7.5	138	6.5	2,367	9.7	74	8.5	24	9.7	18	8.7		
$20,001–$30,000	1,588	6.1	1,264	5.6	2,375	7.2	460	3.0	171	8.1	5	5.3	156	5.5	130	6.1	1,806	7.4	70	8.0	20	8.1	17	8.3		
$30,001–$40,000	938	3.6	933	4.2	1,635	5.0	228	1.5	128	6.0	5	5.3	104	3.7	101	4.8	1,224	5.0	50	5.7	16	6.5	7	3.4		
$40,001–$50,000	870	3.3	826	3.7	1,461	4.4	220	1.4	111	5.2	D	D	64	2.3	122	5.7	1,111	4.5	D	D	9	3.6	6	2.9		
$50,001–$60,000	643	2.5	640	2.9	1,123	3.4	148	1.0	78	3.7	D	D	42	1.5	103	4.8	853	3.5	D	D	3	1.2	6	2.9		
$60,001–$70,000	550	2.1	625	2.8	1,042	3.2	119	0.8	94	4.4	D	D	36	1.3	83	3.9	787	3.2	D	D	7	2.8	5	2.4		
$70,001–$80,000	424	1.6	469	2.1	803	2.4	85	0.6	59	2.8	D	D	36	1.3	99	4.7	578	2.4	D	D	4	1.6	5	2.4		
$80,001–$90,000	590	2.3	644	2.9	1,066	3.2	153	1.0	89	4.2	6	6.4	47	1.7	146	6.9	735	3.0	23	2.6	9	3.6	11	5.3		
$90,001 or more	1,735	6.6	2,275	10.2	3,659	11.1	307	2.0	291	13.7	16	17.0	116	4.1	654	30.8	2,408	9.8	128	14.7	23	9.3	23	11.2		
Total	26,208	100.0	22,389	100.0	33,018	100.0	15,180	100.0	2,121	100.0	94	100.0	2,840	100.0	2,126	100.0	24,510	100.0	873	100.0	248	100.0	206	100.0		
Graduate debt																										
Mean	$13,089		$18,539		$19,993		$5,956		$25,269		$29,890		$9,518		$42,905		$18,680		$22,565		$17,326		$18,668			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
No debt	16,631	65.8	12,705	59.0	17,639	55.5	11,470	78.3	909	44.8	37	40.7	1,991	72.2	553	27.0	13,433	56.9	453	53.7	145	63.0	118	59.3		
$10,000 or less	2,200	8.7	1,643	7.6	2,605	8.2	1,211	8.3	192	9.5	6	6.6	235	8.5	142	6.9	1,937	8.2	65	7.7	14	6.1	14	7.0		
$10,001–$20,000	1,313	5.2	1,157	5.4	1,882	5.9	574	3.9	143	7.0	12	13.2	99	3.6	127	6.2	1,430	6.1	44	5.2	11	4.8	16	8.0		
$20,001–$30,000	1,005	4.0	962	4.5	1,577	5.0	377	2.6	125	6.2	5	5.5	116	4.2	129	6.3	1,144	4.8	44	5.2	8	3.5	6	3.0		
$30,001–$40,000	688	2.7	717	3.3	1,203	3.8	193	1.3	93	4.6	D	D	58	2.1	93	4.5	907	3.8	33	3.9	D	D	5	2.5		
$40,001–$50,000	621	2.5	683	3.2	1,085	3.4	212	1.4	94	4.6	D	D	53	1.9	113	5.5	785	3.3	30	3.6	D	D	2	1.0		
$50,001–$60,000	530	2.1	587	2.7	963	3.0	143	1.0	83	4.1	0	0.0	38	1.4	107	5.2	698	3.0	22	2.6	5	2.2	10	5.0		
$60,001–$70,000	410	1.6	500	2.3	814	2.6	88	0.6	73	3.6	D	D	29	1.1	99	4.8	579	2.5	21	2.5	D	D	4	2.0		
$70,001–$80,000	340	1.3	409	1.9	664	2.1	78	0.5	53	2.6	D	D	27	1.0	94	4.6	467	2.0	18	2.1	D	D	1	0.5		
$80,001–$90,000	557	2.2	695	3.2	1,088	3.4	145	1.0	81	4.0	6	6.6	45	1.6	193	9.4	715	3.0	30	3.6	10	4.3	8	4.0		
$90,001 or more	995	3.9	1,463	6.8	2,272	7.1	159	1.1	183	9.0	14	15.4	68	2.5	400	19.5	1,495	6.3	84	10.0	13	5.7	15	7.5		
Total	25,290	100.0	21,521	100.0	31,792	100.0	14,650	100.0	2,029	100.0	91	100.0	2,759	100.0	2,050	100.0	23,590	100.0	844	100.0	230	100.0	199	100.0		
Undergraduate debt																										
Mean	$7,692		$8,312		$10,301		$2,496		$12,373		$9,655		$5,266		$19,346		$9,885		$12,157		$9,916		$11,490			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
No debt	17,038	70.3	14,153	68.4	19,189	61.3	11,754	88.5	1,052	53.3	51	58.6	1,996	74.7	852	44.2	14,496	62.1	469	55.9	148	62.2	125	63.1		
$10,000 or less	1,847	7.6	1,624	7.8	2,795	8.9	646	4.9	246	12.5	D	D	230	8.6	185	9.6	2,009	8.6	79	9.4	D	D	15	7.6		
$10,001–$20,000	1,792	7.4	1,670	8.1	3,157	10.1	283	2.1	223	11.3	5	5.7	195	7.3	199	10.3	2,397	10.3	94	11.2	25	10.5	19	9.6		
$20,001–$30,000	1,384	5.7	1,184	5.7	2,333	7.5	221	1.7	149	7.6	5	5.7	111	4.2	176	9.1	1,788	7.7	69	8.2	20	8.4	15	7.6		
$30,001–$40,000	715	3.0	725	3.5	1,313	4.2	115	0.9	101	5.1	6	6.9	56	2.1	143	7.4	943	4.0	48	5.7	12	5.0	4	2.0		
$40,001–$50,000	496	2.0	446	2.2	834	2.7	97	0.7	64	3.2	5	5.7	30	1.1	110	5.7	589	2.5	26	3.1	5	2.1	5	2.5		
$50,001–$60,000	309	1.3	312	1.5	555	1.8	58	0.4	48	2.4	D	D	20	0.7	78	4.0	385	1.6	D	D	1	0.4	2	1.0		
$60,001–$70,000	186	0.8	196	0.9	346	1.1	31	0.2	29	1.5	0	0.0	8	0.3	48	2.5	245	1.0	11	1.3	3	1.3	2	1.0		

TABLE 40. Education-related debt of doctorate recipients, by sex, citizenship status, ethnicity, and race: 2014

									U.S. citizens and permanent residents															
					Citizenship status						Not Hispanic or Latino													
	Sex				U.S. citizen or permanent resident		Temporary visa holder		Hispanic or Latino		American Indian or Alaska Native		Asian		Black or African American		White		More than one race		Other race or race not reported		Ethnicity not reported	
Debt level	Male		Female																					
$70,001–$80,000	114	0.5	108	0.5	207	0.7	14	0.1	17	0.9	0	0.0	7	0.3	39	2.0	132	0.6	7	0.8	3	1.3	2	1.0
$80,001–$90,000	186	0.8	139	0.7	284	0.9	38	0.3	20	1.0	D	D	13	0.5	46	2.4	192	0.8	D	D	D	D	7	3.5
$90,001 or more	156	0.6	148	0.7	279	0.9	24	0.2	23	1.2	0	0.0	7	0.3	50	2.6	183	0.8	12	1.4	2	0.8	2	1.0
Total	24,223	100.0	20,705	100.0	31,292	100.0	13,281	100.0	1,972	100.0	87	100.0	2,673	100.0	1,926	100.0	23,359	100.0	839	100.0	238	100.0	198	100.0

D = suppressed to avoid disclosure of confidential information.

NOTES: Mean calculations are based on all valid responses to debt item. See technical notes for details on calculations of means.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 41. U.S. citizen and permanent resident doctorate recipients with graduate-school debt, by broad field of study, ethnicity, and race: 2014

Debt level, ethnicity, and race	All fields	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
All U.S. citizen and permanent resident doctorate recipients								
Total (number)[e]	31,792	7,939	4,770	5,816	3,782	3,625	4,083	1,777
Debt > $30,000 (%)	25.4	18.3	11.1	40.0	8.7	39.3	32.2	40.0
Hispanic or Latino								
Total (number)[e]	2,029	484	261	416	225	237	294	112
Debt > $30,000 (%)	32.5	21.5	17.2	48.1	12.0	49.8	38.1	48.2
Not Hispanic or Latino								
American Indian or Alaska Native								
Total (number)[e]	91	20	13	21	5	D	13	D
Debt > $30,000 (%)	34.1	30.0	D	52.4	0.0	D	D	D
Asian								
Total (number)[e]	2,759	834	478	379	556	184	179	149
Debt > $30,000 (%)	11.5	10.6	6.1	24.8	5.0	17.4	12.8	16.1
Black or African American								
Total (number)[e]	2,050	476	167	395	156	498	152	206
Debt > $30,000 (%)	53.6	45.2	29.9	66.3	22.4	65.7	48.0	66.5
White								
Total (number)[e]	23,590	5,807	3,655	4,376	2,686	2,550	3,269	1,247
Debt > $30,000 (%)	23.9	16.7	10.4	38.2	8.6	34.6	32.0	37.4
More than one race								
Total (number)[e]	844	224	120	163	101	87	114	35
Debt > $30,000 (%)	28.2	21.9	11.7	41.7	D	49.4	33.3	D
Other race or race not reported								
Total (number)[e]	230	53	41	34	35	D	32	D
Debt > $30,000 (%)	22.6	20.8	D	35.3	D	D	D	23.1
Ethnicity not reported								
Total (number)[e]	199	41	35	32	18	30	30	13
Debt > $30,000 (%)	22.6	26.8	11.4	28.1	5.6	30.0	26.7	23.1

D = suppressed to avoid disclosure of confidential information.

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] Includes all persons who responded to the graduate-school debt question.

NOTE: Percentages were calculated on number of cases in category.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 42. Postgraduation commitment of doctorate recipients, by broad field of study: Selected years, 1994–2014

Commitment status	All fields	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
All doctorate recipients (number)								
1994	41,034	7,800	6,761	6,835	5,820	6,711	4,521	2,586
1999	41,100	8,204	6,224	7,291	5,330	6,554	5,210	2,287
2004	42,123	8,813	6,047	7,043	5,777	6,635	5,210	2,598
2009	49,553	11,403	8,324	7,829	7,642	6,528	4,891	2,936
2014	54,070	12,504	9,859	8,657	9,568	4,793	5,486	3,203
All responses to postgraduation commitment								
1994	37,640	7,202	6,253	6,227	5,287	6,078	4,219	2,374
1999	37,198	7,597	5,689	6,498	4,863	5,796	4,747	2,008
2004	37,930	8,055	5,595	6,224	5,282	5,777	4,774	2,223
2009	44,926	10,485	7,616	6,967	6,992	5,871	4,419	2,576
2014	48,210	11,335	8,895	7,524	8,614	4,224	4,914	2,704
Definite commitment for employment or postdoctoral study (%)[e]								
1994	66.3	71.5	64.8	66.3	55.9	73.3	58.2	73.7
1999	69.9	72.4	72.9	67.5	67.7	74.1	60.5	75.5
2004	70.0	71.2	71.5	71.3	63.6	74.6	63.4	76.1
2009	69.5	66.8	72.1	72.9	66.8	71.6	63.3	75.9
2014	61.4	57.9	63.8	68.8	57.0	64.6	54.3	68.4
No definite commitment for employment or postdoctoral study (%)[e,f]								
1994	33.7	28.5	35.2	33.7	44.1	26.7	41.8	26.3
1999	30.1	27.6	27.1	32.5	32.3	25.9	39.5	24.5
2004	30.0	28.8	28.5	28.7	36.4	25.4	36.6	23.9
2009	30.5	33.2	27.9	27.1	33.2	28.4	36.7	24.1
2014	38.6	42.1	36.2	31.2	43.0	35.4	45.7	31.6

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] Percentages based on number responding to the survey item on postgraduation commitment.

[f] Includes respondents who indicated "other" in all years, respondents who indicated "do not plan to work or study" in 2004 and later years, and respondents who indicated definite plans for "other full-time degree program" in 2007 and later years. Also includes 0 respondents in 2004, 764 respondents in 2009, and 692 respondents in 2014 who indicated definite plans for "other full-time degree program."

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

TABLE 43. Postgraduation commitment of doctorate recipients, by sex, citizenship status, ethnicity, and race: Selected years, 1994–2014

				Citizenship status		U.S. citizens and permanent residents							
							Not Hispanic or Latino						
		Sex											
Commitment status	Total	Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
All doctorate recipients (number)													
1994[a]	41,034	25,058	15,822	30,904	9,421	1,031	142	3,534	1,277	24,574	na	114	232
1999[b]	41,100	23,438	17,485	30,312	9,060	1,328	214	2,497	1,765	23,901	na	352	255
2004[c]	42,123	22,966	19,155	28,039	11,629	1,301	125	2,022	1,897	21,011	386	402	895
2009[d]	49,553	26,332	23,187	32,327	14,737	1,880	132	2,612	2,168	23,616	646	338	935
2014[e]	54,070	29,049	24,857	34,005	15,852	2,196	103	2,883	2,167	24,824	876	272	684
All responses to postgraduation commitment													
1994	37,640	23,067	14,566	29,052	8,582	964	133	3,212	1,169	23,355	na	98	121
1999	37,198	21,372	15,823	28,714	8,422	1,169	197	2,366	1,614	22,872	na	340	156
2004	37,930	20,718	17,212	26,881	10,984	1,263	119	1,976	1,824	20,632	384	344	339
2009	44,926	23,936	20,986	31,092	13,747	1,765	124	2,524	2,032	23,043	638	297	669
2014	48,210	25,955	22,255	32,957	15,122	2,111	96	2,837	2,122	24,492	872	247	180
Definite commitment for employment or postdoctoral study (%)[f]													
1994	66.3	65.0	68.3	68.7	58.1	69.5	71.4	55.6	68.3	70.5	na	52.0	64.5
1999	69.9	71.0	68.5	70.9	66.8	68.5	64.0	66.5	66.5	72.0	na	65.9	62.2
2004	70.0	70.7	69.2	71.6	66.1	69.9	71.4	65.1	67.2	72.9	66.9	69.2	69.0
2009	69.5	70.6	68.2	70.3	67.7	68.4	59.7	61.5	63.9	72.1	68.7	69.0	70.4
2014	61.4	62.3	60.2	62.7	58.5	57.9	62.5	54.0	53.2	65.1	60.6	59.5	58.3
No definite commitment for employment or postdoctoral study (%)[f,g]													
1994	33.7	35.0	31.7	31.3	41.9	30.5	28.6	44.4	31.7	29.5	na	48.0	35.5
1999	30.1	29.0	31.5	29.1	33.2	31.5	36.0	33.5	33.5	28.0	na	34.1	37.8
2004	30.0	29.3	30.8	28.4	33.9	30.1	28.6	34.9	32.8	27.1	33.1	30.8	31.0
2009	30.5	29.4	31.8	29.7	32.3	31.6	40.3	38.5	36.1	27.9	31.3	31.0	29.6
2014	38.6	37.7	39.8	37.3	41.5	42.1	37.5	46.0	46.8	34.9	39.4	40.5	41.7

na = not applicable; respondents were instructed to indicate only one race.

[a] Total for 1994 includes 154 respondents who did not report sex.

[b] Total for 1999 includes 177 respondents who did not report sex.

[c] Total for 2004 includes 2 respondents who did not report sex.

[d] Total for 2009 includes 34 respondents who did not report sex.

[e] Total for 2014 includes 164 respondents who did not report sex.

[f] Percentages based on number responding to the survey item on postgraduation commitment.

[g] Includes respondents who indicated "other" in all years, respondents who indicated "do not plan to work or study" in 2004 and later years, and respondents who indicated definite plans for "other full-time degree program" in 2007 and later years.

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

TABLE 44. Postgraduation plans of doctorate recipients with definite commitments, by broad field of study: Selected years, 1994–2014

Definite commitment and plan	All fields	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
All definite commitments (number)								
1994	24,946	5,147	4,051	4,128	2,957	4,458	2,455	1,750
1999	26,007	5,502	4,147	4,385	3,290	4,296	2,870	1,517
2004	26,560	5,738	4,000	4,436	3,357	4,308	3,029	1,692
2009	31,208	7,007	5,491	5,082	4,672	4,205	2,797	1,954
2014	29,584	6,568	5,677	5,178	4,914	2,727	2,670	1,850
Reported type of plan								
1994	24,781	5,127	4,044	4,094	2,946	4,412	2,422	1,736
1999	25,776	5,462	4,128	4,353	3,274	4,226	2,830	1,503
2004	25,873	5,574	3,931	4,330	3,280	4,179	2,931	1,648
2009	30,401	6,854	5,409	4,965	4,571	4,046	2,713	1,843
2014	27,139	6,107	5,372	4,702	4,542	2,429	2,381	1,606
Employment (%)[e]								
1994	70.6	36.0	48.5	80.2	75.8	96.3	93.4	96.3
1999	69.9	36.6	53.2	74.2	77.5	94.9	91.9	95.4
2004	64.8	32.9	43.8	69.7	63.9	93.8	88.9	94.8
2009	62.1	33.2	44.9	67.4	63.9	94.4	86.8	93.9
2014	60.6	35.0	49.5	63.6	66.2	91.8	81.4	92.5
Postdoctoral study (%)[e]								
1994	29.4	64.0	51.5	19.8	24.2	3.7	6.6	3.7
1999	30.1	63.4	46.8	25.8	22.5	5.1	8.1	4.6
2004	35.2	67.1	56.2	30.3	36.1	6.2	11.1	5.2
2009	37.9	66.8	55.1	32.6	36.1	5.6	13.2	6.1
2014	39.4	65.0	50.5	36.4	33.8	8.2	18.6	7.5

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] Percentages based on number reporting definite postgraduation commitments with response to type of plan (employment or postdoctoral study).

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

TABLE 45. Postgraduation plans of doctorate recipients with definite commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1994–2014

Definite commitment and plan	Total	Sex		Citizenship status		U.S. citizens and permanent residents							
							Not Hispanic or Latino						
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
All definite commitments (number)													
1994	24,946	15,001	9,942	19,951	4,990	670	95	1,786	799	16,472	na	51	78
1999	26,007	15,167	10,838	20,356	5,624	801	126	1,573	1,074	16,461	na	224	97
2004	26,560	14,651	11,909	19,256	7,263	883	85	1,286	1,225	15,048	257	238	234
2009	31,208	16,887	14,319	21,853	9,300	1,207	74	1,551	1,299	16,608	438	205	471
2014	29,584	16,181	13,403	20,663	8,841	1,223	60	1,531	1,129	15,940	528	147	105
Reported type of plan													
1994	24,781	14,912	9,866	19,827	4,949	660	94	1,778	790	16,377	na	50	78
1999	25,776	15,056	10,719	20,181	5,577	793	125	1,561	1,063	16,324	na	220	95
2004	25,873	14,261	11,612	18,745	7,094	853	81	1,234	1,182	14,693	248	232	222
2009	30,401	16,484	13,915	21,257	9,090	1,157	72	1,504	1,247	16,185	429	202	461
2014	27,139	14,907	12,232	18,803	8,258	1,085	52	1,413	994	14,545	477	137	100
Employment (%)[a]													
1994	70.6	68.2	74.4	72.5	63.0	73.6	74.5	51.1	82.3	74.5	na	56.0	59.0
1999	69.9	68.0	72.5	72.4	60.6	73.5	76.0	59.8	81.5	73.0	na	70.5	73.7
2004	64.8	62.2	68.0	68.6	54.5	66.1	79.0	56.2	76.7	69.1	66.5	67.2	73.9
2009	62.1	60.5	64.0	65.6	54.0	62.8	65.3	58.4	74.6	65.9	59.2	66.3	65.9
2014	60.6	60.5	60.7	62.6	55.8	59.1	67.3	58.7	71.6	62.8	59.3	56.2	68.0
Postdoctoral study (%)[a]													
1994	29.4	31.8	25.6	27.5	37.0	26.4	25.5	48.9	17.7	25.5	na	44.0	41.0
1999	30.1	32.0	27.5	27.6	39.4	26.5	24.0	40.2	18.5	27.0	na	29.5	26.3
2004	35.2	37.8	32.0	31.4	45.5	33.9	21.0	43.8	23.3	30.9	33.5	32.8	26.1
2009	37.9	39.5	36.0	34.4	46.0	37.2	34.7	41.6	25.4	34.1	40.8	33.7	34.1
2014	39.4	39.5	39.3	37.4	44.2	40.9	32.7	41.3	28.4	37.2	40.7	43.8	32.0

na = not applicable; respondents were instructed to indicate only one race.

[a] Percentages based on number reporting definite commitments and type of plan (employment or postdoctoral study).

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

TABLE 46. Employment sector of doctorate recipients with definite postgraduation commitments for employment in the United States, by broad field of study: Selected years, 1994–2014

Employment commitment and sector	Total	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
All U.S. employment commitments (number)								
1994	15,141	1,440	1,673	2,843	1,713	3,992	2,067	1,413
1999	16,267	1,681	2,004	2,886	2,265	3,788	2,392	1,251
2004	14,869	1,565	1,540	2,612	1,726	3,697	2,400	1,329
2009	17,179	2,029	2,261	2,894	2,606	3,696	2,154	1,539
2014	14,802	1,905	2,459	2,556	2,710	2,101	1,754	1,317
Academe (%)[e]								
1994	51.2	49.2	39.2	52.7	19.6	44.3	84.4	74.0
1999	48.8	47.5	32.9	51.5	14.1	47.2	81.9	73.5
2004	56.1	52.3	44.3	60.4	22.0	50.2	84.0	76.0
2009	51.8	50.0	34.9	62.7	14.4	50.3	84.9	78.8
2014	49.3	46.7	29.2	60.1	14.9	59.5	82.6	79.1
Government (%)[e]								
1994	8.6	14.9	9.0	12.0	12.8	6.4	2.1	5.3
1999	7.5	12.7	7.7	11.6	9.5	5.3	2.1	4.6
2004	7.4	14.2	8.1	10.8	10.6	4.0	2.3	5.9
2009	6.7	12.3	7.1	10.0	8.5	3.8	1.7	3.6
2014	7.3	10.8	5.7	10.6	10.0	4.7	2.2	4.5
Industry or business (%)[e,f]								
1994	21.1	24.9	47.5	16.1	64.6	6.2	4.4	9.8
1999	27.5	29.8	56.0	20.4	74.2	6.9	6.4	14.0
2004	18.9	23.6	42.0	13.6	61.8	3.9	4.1	10.2
2009	25.7	25.3	52.5	14.8	73.1	4.1	3.4	10.5
2014	32.2	31.0	61.3	16.6	72.2	3.6	4.5	10.5
Nonprofit organization (%)[e]								
1994	6.5	8.3	2.0	12.6	2.0	5.2	5.4	8.8
1999	5.4	7.3	1.9	10.6	1.6	4.4	5.5	6.2
2004	5.7	7.0	3.9	9.6	4.4	4.1	5.0	5.8
2009	4.7	7.8	2.6	7.2	2.1	4.5	4.9	3.8
2014	5.3	9.6	2.3	9.0	2.5	4.4	5.8	4.6
Other or unknown (%)[e,g]								
1994	12.5	2.7	2.3	6.6	1.0	37.8	3.8	2.0
1999	10.8	2.7	1.4	5.9	0.6	36.2	4.1	1.8
2004	11.9	3.0	1.7	5.6	1.2	37.8	4.6	2.2
2009	11.1	4.6	2.9	5.4	1.9	37.3	5.1	3.4
2014	5.9	1.9	1.5	3.7	0.4	27.8	4.9	1.4

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] Percentages based on number reporting definite employment commitments in the United States.

[f] Includes doctorate recipients who indicated self-employment.

[g] "Other" is mainly composed of elementary and secondary schools.

NOTE: Due to rounding, percentages may not sum to 100.

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

TABLE 47. Employment sector of doctorate recipients with definite postgraduation commitments for employment in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1994–2014

Employment commitment and sector	Total	Sex		Citizenship status		U.S. citizens and permanent residents							
							Not Hispanic or Latino						
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
All U.S. employment commitments (number)													
1994[a]	15,141	8,344	6,795	13,922	1,217	465	70	817	640	11,865	na	26	39
1999	16,267	9,033	7,234	14,236	2,020	561	90	871	848	11,649	na	149	68
2004	14,869	7,655	7,214	12,538	2,314	552	64	644	896	9,910	162	150	160
2009	17,179	8,912	8,267	13,620	3,529	711	46	838	916	10,439	250	131	289
2014	14,802	8,003	6,799	11,473	3,284	626	D	785	702	8,919	275	D	60
Academe (%)[b]													
1994	51.2	45.7	58.0	51.5	48.0	57.8	67.1	37.2	54.2	52.0	na	73.1	56.4
1999	48.8	43.3	55.6	50.8	34.3	58.3	53.3	34.8	55.3	51.3	na	51.7	50.0
2004	56.1	51.6	60.8	56.9	51.8	61.8	53.1	45.7	52.6	57.7	64.2	55.3	53.1
2009	51.8	45.7	58.3	54.6	40.9	56.1	41.3	45.5	51.5	55.6	60.0	51.9	50.9
2014	49.3	41.7	58.1	53.8	33.3	55.6	69.7	39.1	51.3	55.2	56.7	38.4	53.3
Government (%)[b]													
1994	8.6	9.8	7.2	9.2	2.0	8.6	10.0	6.1	9.4	9.4	na	3.8	15.4
1999	7.5	8.4	6.5	8.4	1.5	8.2	8.9	5.7	7.8	8.6	na	10.1	8.8
2004	7.4	8.4	6.2	8.4	2.0	7.4	6.3	6.7	9.5	8.3	9.9	9.3	13.1
2009	6.7	7.2	6.2	8.1	1.5	8.0	17.4	8.0	8.7	7.9	7.2	9.2	10.7
2014	7.3	7.7	6.8	8.9	1.8	9.3	D	7.3	14.1	8.7	9.5	D	8.3
Industry or business (%)[b,c]													
1994	21.1	28.3	12.2	19.3	41.8	11.8	14.3	48.5	7.2	18.3	na	15.4	20.5
1999	27.5	36.0	16.9	23.0	59.7	17.3	13.3	49.7	12.0	22.0	na	22.8	32.4
2004	18.9	26.0	11.4	15.0	39.9	15.2	9.4	36.8	8.1	14.2	15.4	22.0	12.5
2009	25.7	34.6	16.2	18.7	52.9	16.3	19.6	35.8	11.6	17.9	18.0	22.9	23.9
2014	32.2	42.4	20.3	23.7	62.0	20.8	15.2	43.6	14.5	22.9	20.7	41.1	23.3
Nonprofit organization (%)[b]													
1994	6.5	6.4	6.7	6.8	3.3	5.4	2.9	4.4	4.2	7.2	na	3.8	0.0
1999	5.4	4.6	6.4	5.9	2.3	4.3	7.8	5.6	4.4	6.1	na	6.7	2.9
2004	5.7	5.6	5.7	6.1	3.5	4.0	3.1	6.1	6.0	6.3	2.5	7.3	7.5
2009	4.7	4.3	5.1	5.3	2.3	3.9	D	4.8	5.7	5.4	6.4	D	4.2
2014	5.3	4.2	6.7	6.3	2.0	6.2	D	5.5	6.8	6.3	5.8	D	5.0
Other or unknown (%)[b,d]													
1994	12.5	9.8	15.9	13.2	4.9	16.3	5.7	3.8	25.0	13.2	na	3.8	7.7
1999	10.8	7.7	14.6	12.0	2.2	11.9	16.7	4.1	20.5	12.0	na	8.7	5.9

TABLE 47. Employment sector of doctorate recipients with definite postgraduation commitments for employment in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1994–2014

Employment commitment and sector	Total	Sex		Citizenship status		U.S. citizens and permanent residents								
							Not Hispanic or Latino							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
2004	11.9	8.3	15.8	13.6	2.8	11.6	28.1	4.8	23.8	13.5	8.0	6.0	13.8
2009	11.1	8.2	14.2	13.3	2.5	15.6	D	6.0	22.5	13.2	8.4	D	10.4
2014	5.9	4.0	8.0	7.3	0.9	8.1	D	4.6	13.2	6.9	7.3	D	10.0

D = suppressed to avoid disclosure of confidential information. na = not applicable; respondents were instructed to indicate only one race.

[a] Total for 1994 includes 2 respondents not reporting sex.

[b] Percentages based on number reporting definite employment commitments and sector.

[c] Includes doctorate recipients who indicated self-employment.

[d] "Other" is mainly composed of elementary and secondary schools.

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

TABLE 48. Median basic annual salary for doctorate recipients with definite postgraduation plans in the United States, by field of study, type of postgraduation plans, and sex: 2014

(Dollars)

	Employment		Postdoctoral study	
Field of study	Male	Female	Male	Female
All fields	83,000	65,000	44,000	42,000
Science and engineering	90,000	70,000	44,000	42,000
Life sciences	75,000	70,000	40,500	40,000
Agricultural sciences and natural resources	74,000	67,000	42,000	41,000
Biological, biomedical sciences	75,000	63,000	40,000	40,000
Health sciences	78,500	75,000	42,000	43,000
Physical sciences	98,000	80,000	50,000	46,000
Chemistry	80,000	70,000	40,000	40,000
Geosciences	80,000	65,000	52,000	50,000
Mathematics and computer and information sciences	100,000	85,000	55,000	52,000
Physics and astronomy	94,000	87,500	50,000	50,000
Social sciences and psychology	70,000	60,000	42,000	41,000
Economics	102,135	92,500	60,000	65,000
Psychology	61,000	58,000	40,000	40,000
Social sciences[a]	60,000	60,000	48,650	46,000
Engineering	95,000	90,000	45,000	45,000
Non-science and engineering	65,000	60,000	46,900	45,000
Education	70,000	62,000	50,000	45,000
Humanities	51,500	50,000	45,500	43,000
Business management and administration	120,000	113,000	50,000	52,000
Other non-S&E fields[b]	60,000	60,000	45,000	45,000

S&E = science and engineering.

[a] Excludes economics, which is usually included within social sciences.

[b] Excludes business management and administration, which is usually included within other non-S&E fields.

NOTES: Exact salary values were imputed for respondents who reported a salary range rather than an exact salary. Median salaries in this table are the exact salary values of respondents at the 50th percentile of their frequency distribution; salary values have not been rounded.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 49. Median basic annual salary for doctorate recipients with definite postgraduation plans for employment in the United States, by field of study and employment sector: 2014

(Dollars)

Field of study	Academe	Industry or business[a]	Government	Nonprofit organization	Other or unknown[b]
All fields	60,000	100,000	80,000	75,000	70,000
Science and engineering	60,000	100,000	81,000	77,250	61,000
Life sciences	61,000	87,000	75,000	85,000	61,000
Agricultural sciences and natural resources	60,000	80,000	72,500	64,000	D
Biological, biomedical sciences	54,000	88,000	70,000	68,000	55,000
Health sciences	67,750	98,000	90,000	100,000	78,000
Physical sciences	57,000	103,500	80,000	87,000	52,500
Chemistry	50,000	91,000	62,000	58,000	55,000
Geosciences	52,800	110,000	73,000	60,000	D
Mathematics and computer and information sciences	65,000	118,000	90,000	95,500	52,500
Physics and astronomy	53,000	100,000	76,236	102,500	D
Social sciences and psychology	60,000	85,000	80,000	65,000	62,000
Economics	90,000	110,000	120,000	106,000	100,000
Psychology	55,000	75,000	69,000	60,000	58,000
Social sciences[c]	57,000	90,000	82,102	68,000	79,000
Engineering	75,000	100,000	90,000	91,000	65,000
Non-science and engineering	59,000	90,000	80,000	65,000	72,000
Education	60,000	80,000	77,000	77,000	74,000
Humanities	50,000	50,000	62,500	55,000	54,000
Business management and administration	120,000	110,000	126,000	85,000	D
Other non-S&E fields[d]	59,000	87,500	85,000	60,000	73,500

D = suppressed to avoid disclosure of confidential information.

S&E = science and engineering.

[a] Includes doctorate recipients who indicated self-employment.

[b] "Other" is mainly composed of elementary and secondary schools.

[c] Excludes economics, which is usually included within social sciences.

[d] Excludes business management and administration, which is usually included within other non-S&E fields.

NOTES: Exact salary values were imputed for respondents who reported a salary range rather than an exact salary. Median salaries in this table are the exact salary values of respondents at the 50th percentile of their frequency distribution; salary values have not been rounded.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 50. Sources of support for doctorate recipients with postgraduation commitment for postdoctoral study, by sex, citizenship status, ethnicity, and race: Selected years, 1994–2014

Postgraduate study commitment and source of support	Total	Sex		Citizenship status		U.S. citizens and permanent residents							
							Not Hispanic or Latino						
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	Ethnicity not reported
All postgraduate study commitments (number)													
1994[a]	7,275	4,744	2,530	5,443	1,830	174	24	869	140	4,182	na	22	32
1999[b]	7,768	4,817	2,950	5,564	2,199	210	30	627	197	4,410	na	65	25
2004	9,116	5,396	3,720	5,877	3,226	289	17	541	275	4,538	83	76	58
2009[c]	11,522	6,508	5,013	7,318	4,184	430	25	625	317	5,521	175	68	157
2014	10,697	5,887	4,810	7,023	3,651	444	17	583	282	5,411	194	60	32
U.S. government (%)[d]													
1994	36.2	35.6	37.2	42.3	17.8	46.0	33.3	34.4	32.9	44.2	na	45.5	40.6
1999	35.7	35.8	35.4	41.6	20.7	41.4	36.7	36.4	34.0	42.9	na	30.8	44.0
2004	30.9	31.2	30.4	37.6	18.8	34.3	23.5	33.3	28.0	39.0	36.1	34.2	36.2
2009	29.6	29.0	30.4	36.3	17.9	38.1	20.0	30.4	32.8	37.4	31.4	35.3	28.0
2014	31.3	30.8	31.7	36.5	21.3	38.1	D	32.6	30.9	37.1	37.1	D	46.9
College or university (%)[d]													
1994	29.3	31.6	24.9	23.9	45.1	22.4	16.7	32.5	26.4	22.3	na	18.2	12.5
1999	32.4	34.4	29.1	27.3	45.4	27.1	40.0	32.2	27.4	26.5	na	23.1	36.0
2004	45.5	47.1	43.1	39.1	57.0	42.2	41.2	42.5	43.3	38.1	38.6	43.4	39.7
2009	44.9	46.7	42.6	38.8	55.6	37.2	48.0	42.9	36.3	38.6	44.0	32.4	36.9
2014	43.5	44.8	41.8	39.1	52.0	41.2	52.9	41.7	44.3	38.5	36.6	35.0	37.5
Private foundation (%)[d]													
1994	9.5	8.3	11.8	9.3	10.0	8.6	4.2	9.0	12.9	9.4	na	0.0	9.4
1999	9.3	8.5	10.6	9.2	9.6	8.1	3.3	8.8	7.1	9.4	na	9.2	8.0
2004	5.4	5.1	6.0	6.1	4.3	3.8	5.9	5.2	5.1	6.4	4.8	6.6	6.9
2009	4.7	4.3	5.2	5.8	2.8	5.6	0.0	5.3	5.7	5.9	D	D	9.6
2014	5.0	4.9	5.1	5.8	3.4	3.8	0.0	6.0	6.0	6.0	5.2	3.3	6.3
Nonprofit, other than private foundation (%)[d]													
1994	2.7	2.6	2.8	2.3	3.8	2.3	4.2	2.6	2.1	2.2	na	4.5	0.0
1999	3.2	2.9	3.7	2.9	4.0	2.9	3.3	3.7	3.6	2.7	na	3.1	0.0
2004	3.0	2.4	3.9	2.7	3.5	3.5	0.0	2.6	4.0	2.7	1.2	2.6	0.0
2009	3.1	2.2	4.1	2.9	3.4	3.0	D	3.2	3.8	2.7	D	0.0	5.1
2014	3.4	2.7	4.2	3.7	2.8	2.3	D	3.3	3.5	3.9	2.6	D	0.0
Other (%)[d]													
1994	9.6	9.5	9.6	9.3	10.4	7.5	4.2	7.6	5.0	9.8	na	18.2	15.6
1999	9.0	8.3	10.1	8.8	9.5	9.5	6.7	5.9	11.2	9.1	na	13.8	0.0
2004	8.1	7.6	8.9	7.5	9.2	6.9	11.8	8.9	6.2	7.4	6.0	10.5	5.2
2009	9.4	10.0	8.6	8.2	11.4	8.6	D	7.5	7.6	8.2	9.7	D	9.6

TABLE 50. Sources of support for doctorate recipients with postgraduation commitment for postdoctoral study, by sex, citizenship status, ethnicity, and race: Selected years, 1994–2014

Postgraduate study commitment and source of support	Total	Sex		Citizenship status		U.S. citizens and permanent residents							Ethnicity not reported
							Not Hispanic or Latino						
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	More than one race	Other race or race not reported	
2014	9.7	10.1	9.1	8.1	12.7	5.9	D	9.4	7.1	8.1	7.7	D	3.1
Unknown (%)[d]													
1994	12.9	12.4	13.8	12.9	12.8	13.2	37.5	13.9	20.7	12.2	na	13.6	21.9
1999	10.5	10.0	11.2	10.3	10.8	11.0	10.0	13.1	16.8	9.4	na	20.0	12.0
2004	7.1	6.7	7.7	7.1	7.1	9.3	17.6	7.6	13.5	6.4	13.3	2.6	12.1
2009	8.3	7.8	9.0	8.0	9.0	7.4	16.0	10.7	13.9	7.2	9.1	13.2	10.8
2014	7.2	6.6	8.0	6.8	7.8	8.8	0.0	7.0	8.2	6.4	10.8	15.0	6.3

D = suppressed to avoid disclosure of confidential information. na = not applicable; respondents were instructed to indicate only one race.

[a] Total for 1994 includes 1 respondent who did not report sex.

[b] Total for 1999 includes 1 respondent who did not report sex.

[c] Total for 2009 includes 1 respondent who did not report sex.

[d] Percentages based on number reporting definite commitments for postdoctoral study or training.

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

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						
			Total	Postdoctoral study	Academic employment	Industry employment[a]	Other[b]	Abroad	Unknown
All doctorate recipients[c]	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

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						
			Total	Postdoctoral study	Academic employment	Industry employment[a]	Other[b]	Abroad	Unknown
Other[d]	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

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						
			Total	Postdoctoral study	Academic employment	Industry employment[a]	Other[b]	Abroad	Unknown
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[d]	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

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						
			Total	Postdoctoral study	Academic employment	Industry employment[a]	Other[b]	Abroad	Unknown
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[d]	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.

[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 citizenship status.

[d] 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.

TABLE 52. Definite postgraduation commitments of doctorate recipients, by sex and major field of study: 2014

Sex and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States						
			Total	Postdoctoral study	Academic employment	Industry employment[a]	Other[b]	Abroad	Unknown
All doctorate recipients[c]	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

TABLE 52. Definite postgraduation commitments of doctorate recipients, by sex and major field of study: 2014

Sex and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States						
			Total	Postdoctoral study	Academic employment	Industry employment[a]	Other[b]	Abroad	Unknown
Other[d]	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
Male	29,049	14,907	13,041	5,038	3,338	3,391	1,274	1,833	33
Life sciences	5,468	2,723	2,459	1,701	301	304	153	256	8
Agricultural sciences and natural resources	673	332	269	137	49	52	31	60	3
Biological, biomedical sciences	4,134	2,071	1,894	1,464	146	210	74	173	4
Health sciences	661	320	296	100	106	42	48	23	1
Physical sciences	7,004	3,900	3,369	1,589	460	1,164	156	522	9
Chemistry	1,643	857	754	478	67	195	14	100	3
Computer and information sciences	1,657	953	874	176	133	520	45	77	2
Geosciences	580	345	301	172	33	71	25	44	0
Mathematics	1,336	767	635	288	162	148	37	130	2
Physics and astronomy	1,788	978	805	475	65	230	35	171	2
Social sciences	3,477	1,933	1,567	496	644	184	243	363	3
Anthropology	197	93	65	25	28	D	D	28	0
Economics	784	546	376	55	195	68	58	170	0
Political science	433	213	172	45	102	11	14	41	0
Psychology	1,072	612	565	298	120	70	77	46	1
Sociology	248	131	120	27	80	D	D	10	1
Other social sciences	743	338	269	46	119	29	75	68	1
Engineering	7,349	3,558	3,177	1,016	300	1,591	270	372	9
Aerospace, aeronautical, and astronautical engineering	331	D	D	52	D	60	41	D	1
Chemical engineering	684	322	293	108	16	160	9	28	1
Civil engineering	470	199	159	62	34	42	21	40	0
Electrical, electronics, and communication engineering	1,618	812	732	146	57	479	50	78	2
Industrial and manufacturing engineering	209	D	D	15	18	39	D	D	1
Materials science engineering	619	278	254	110	D	113	D	24	0
Mechanical engineering	1,128	548	492	178	46	229	39	55	1
Other engineering	2,290	1,122	994	345	95	469	85	125	3
Education	1,467	801	737	38	408	26	265	63	1
Education administration	371	204	D	0	69	D	120	D	1
Education research	721	394	360	27	224	12	97	34	0
Teacher education	35	D	D	0	11	D	3	D	0
Teaching fields	267	D	D	D	87	D	39	D	0
Other education	73	D	D	D	17	0	6	D	0

TABLE 52. Definite postgraduation commitments of doctorate recipients, by sex and major field of study: 2014

Sex and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States						
			Total	Postdoctoral study	Academic employment	Industry employment[a]	Other[b]	Abroad	Unknown
Humanities	2,697	1,173	1,020	169	681	42	128	151	2
Foreign languages and literature	248	119	102	13	86	D	D	16	1
History	661	287	252	65	139	11	37	35	0
Letters	659	299	267	34	210	D	D	32	0
Other humanities	1,129	468	399	57	246	25	71	68	1
Other[d]	1,587	819	712	29	544	80	59	106	1
Business management and administration	907	526	459	14	368	54	23	67	0
Communication	278	130	120	D	100	D	3	9	1
Non-S&E fields not elsewhere classified	402	163	133	D	76	D	33	30	0
Female	24,857	12,232	11,179	4,380	3,952	1,379	1,468	1,033	20
Life sciences	6,998	3,384	3,124	1,977	589	286	272	255	5
Agricultural sciences and natural resources	629	298	257	114	58	49	36	41	0
Biological, biomedical sciences	4,825	2,265	2,093	1,635	197	175	86	167	5
Health sciences	1,544	821	774	228	334	62	150	47	0
Physical sciences	2,820	1,472	1,317	638	258	344	77	152	3
Chemistry	1,020	476	440	234	60	121	25	36	0
Computer and information sciences	407	216	190	38	46	94	12	25	1
Geosciences	408	247	221	139	32	31	19	25	1
Mathematics	535	306	272	102	101	57	12	33	1
Physics and astronomy	450	227	194	125	19	41	9	33	0
Social sciences	5,155	2,769	2,515	1,030	891	240	354	250	4
Anthropology	330	143	124	48	59	D	D	19	0
Economics	404	273	200	28	89	48	35	72	1
Political science	342	197	170	28	109	9	24	27	0
Psychology	2,678	1,449	1,390	792	289	135	174	59	0
Sociology	430	235	212	57	135	D	D	23	0
Other social sciences	971	472	419	77	210	41	91	50	3
Engineering	2,179	984	883	334	105	365	79	101	0
Aerospace, aeronautical, and astronautical engineering	55	D	D	8	D	7	7	D	0
Chemical engineering	290	140	127	53	6	64	4	13	0
Civil engineering	147	62	53	22	13	12	6	9	0
Electrical, electronics, and communication engineering	326	150	136	37	11	81	7	14	0
Industrial and manufacturing engineering	89	D	D	5	8	12	D	D	0
Materials science engineering	213	96	83	29	D	38	D	13	0
Mechanical engineering	197	95	87	40	10	28	9	8	0
Other engineering	862	379	342	140	49	123	30	37	0

TABLE 52. Definite postgraduation commitments of doctorate recipients, by sex and major field of study: 2014

Sex and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States						
			Total	Postdoctoral study	Academic employment	Industry employment[a]	Other[b]	Abroad	Unknown
Education	3,316	1,628	1,556	154	843	49	510	69	3
Education administration	524	242	D	6	93	D	127	D	2
Education research	1,828	931	890	109	483	29	269	40	1
Teacher education	118	D	D	D	34	D	18	D	0
Teaching fields	651	D	D	D	193	D	76	D	0
Other education	195	D	D	D	40	D	20	D	0
Humanities	2,785	1,208	1,080	177	768	37	98	125	3
Foreign languages and literature	426	199	176	13	145	D	D	23	0
History	520	249	217	53	130	7	27	32	0
Letters	894	402	370	41	291	D	D	D	D
Other humanities	945	358	317	70	202	12	33	D	D
Other[d]	1,604	787	704	70	498	58	78	81	2
Business management and administration	670	376	325	13	247	40	25	49	2
Communication	383	181	163	D	129	D	8	18	0
Non-S&E fields not elsewhere classified	551	230	216	D	122	D	45	14	0

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.

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.

TABLE 53. Doctorate recipients with temporary visas intending to stay in the United States after doctorate receipt, by country of citizenship: 2008–14

	Total, 2008–14		2008		2009		2010		2011		2012		2013		2014	
Country of citizenship	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
All temporary visa holders	104,189	70.8	15,261	73.5	14,737	70.7	13,636	69.1	14,235	70.1	14,784	70.7	15,684	70.1	15,852	71.1
Africa	3,811	65.4	511	65.4	482	66.4	477	62.9	511	64.2	572	66.3	612	65.2	646	66.7
Egypt	766	64.5	106	63.2	72	70.8	73	65.8	114	57.9	126	64.3	140	61.4	135	70.4
Ghana	417	71.9	55	74.5	67	77.6	65	64.6	55	70.9	55	67.3	58	70.7	62	77.4
Kenya	489	68.7	59	61.0	68	64.7	68	72.1	77	75.3	66	68.2	79	68.4	72	69.4
Nigeria	434	79.7	57	75.4	56	73.2	51	74.5	51	84.3	67	77.6	65	87.7	87	82.8
Other	1,705	59.5	234	62.8	219	60.3	220	55.9	214	57.0	258	63.6	270	59.6	290	57.2
East Asia and South Asia	66,050	75.9	9,711	79.2	9,355	75.7	8,581	74.5	9,051	74.8	9,441	75.1	9,907	75.1	10,004	76.3
China[a]	30,364	83.0	4,528	87.8	4,101	83.3	3,744	82.1	3,988	82.1	4,222	82.6	4,798	82.0	4,983	81.4
India	15,663	85.4	2,318	88.6	2,272	84.9	2,142	83.3	2,165	84.6	2,248	85.7	2,206	84.3	2,312	86.2
Japan	1,621	48.3	256	50.4	256	48.4	236	47.5	244	50.8	240	45.0	217	47.5	172	48.3
South Korea	9,936	62.1	1,442	66.6	1,526	64.9	1,381	62.1	1,445	60.0	1,472	60.6	1,384	59.1	1,286	60.7
Singapore	562	42.0	74	44.6	76	47.4	66	43.9	70	50.0	88	35.2	91	38.5	97	38.1
Taiwan	4,805	63.0	641	56.8	735	58.6	650	58.5	693	65.5	719	65.2	699	67.4	668	68.4
Thailand	1,816	27.5	330	28.2	242	29.8	222	27.9	266	25.9	260	23.5	264	31.1	232	26.3
Vietnam	687	67.4	55	65.5	70	54.3	82	63.4	99	64.6	99	64.6	140	71.4	142	76.8
Other	596	56.7	67	70.1	77	61.0	58	69.0	81	61.7	93	59.1	108	39.8	112	50.0
Europe	10,843	64.8	1,789	67.9	1,702	62.6	1,510	64.0	1,486	65.5	1,512	65.7	1,449	63.4	1,395	63.7
Bulgaria	375	75.2	70	77.1	57	78.9	64	79.7	46	65.2	50	76.0	47	78.7	41	65.9
France	840	63.5	150	66.7	133	66.9	109	56.9	125	64.8	111	56.8	97	62.9	115	67.0
Germany	1,401	58.0	193	64.8	208	56.3	192	56.8	203	65.5	200	60.0	202	51.5	203	51.2
Greece	653	65.2	97	63.9	123	57.7	81	54.3	83	71.1	100	64.0	88	76.1	81	72.8
Italy	1,040	61.4	163	60.7	129	55.8	134	61.2	137	60.6	168	65.5	154	61.0	155	63.9
Romania	759	77.2	145	75.2	155	74.2	113	80.5	101	83.2	101	75.2	66	74.2	78	79.5
Russian Federation (former USSR)	921	73.5	172	78.5	158	71.5	128	75.8	120	72.5	125	69.6	110	71.8	108	73.1
Spain	632	62.2	124	62.1	108	58.3	82	62.2	101	62.4	66	66.7	82	65.9	69	59.4
Ukraine	409	76.8	61	80.3	81	72.8	72	75.0	46	78.3	46	84.8	52	76.9	51	72.5
United Kingdom	722	62.5	116	64.7	101	59.4	101	61.4	103	54.4	91	72.5	113	56.6	97	70.1
Other	3,091	61.7	498	66.1	449	58.4	434	60.8	421	62.0	454	63.2	438	61.6	397	59.2
North America and South America	10,518	56.4	1,542	57.5	1,580	56.2	1,453	55.9	1,449	57.3	1,471	56.0	1,481	56.2	1,542	55.8
Argentina	707	61.1	134	67.2	128	63.3	102	57.8	110	62.7	85	58.8	81	49.4	67	64.2
Brazil	1,075	47.3	157	47.8	160	50.6	162	47.5	151	41.7	163	46.6	142	46.5	140	50.7
Canada	3,330	56.3	499	56.1	516	57.0	469	56.3	455	55.8	423	58.4	484	55.4	484	55.2
Chile	557	40.6	81	42.0	82	30.5	56	42.9	80	D	85	50.6	74	36.5	99	35.4
Colombia	1,156	57.3	152	63.8	153	57.5	132	60.6	163	57.1	161	53.4	179	53.1	216	56.9
Mexico	1,388	54.3	204	50.5	215	51.6	201	46.8	185	56.8	213	59.2	177	61.6	193	54.9
Venezuela	300	74.7	54	75.9	55	65.5	46	60.9	37	D	28	67.9	40	82.5	40	82.5
Other	2,005	62.5	261	64.0	271	63.5	285	65.3	268	64.9	313	56.5	304	64.1	303	60.1

TABLE 53. Doctorate recipients with temporary visas intending to stay in the United States after doctorate receipt, by country of citizenship: 2008–14

	Total, 2008–14		2008		2009		2010		2011		2012		2013		2014	
Country of citizenship	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying	Number	% staying
Pacifica and Australia	1,463	60.7	215	67.9	195	66.2	213	58.7	187	60.4	194	64.4	245	58.8	214	49.5
Indonesia	446	50.7	64	59.4	52	61.5	61	52.5	66	48.5	51	51.0	73	49.3	79	38.0
Philippines	514	72.0	68	82.4	71	73.2	71	71.8	69	71.0	73	74.0	92	66.3	70	67.1
Other	503	58.1	83	62.7	72	62.5	81	51.9	52	61.5	70	64.3	80	58.8	65	44.6
West Asia	10,710	65.6	1,379	65.3	1,317	67.1	1,275	60.4	1,458	64.3	1,526	66.5	1,815	66.5	1,940	67.8
Bangladesh	614	80.3	76	75.0	66	77.3	63	71.4	77	83.1	86	88.4	107	78.5	139	83.5
Iran	1,802	88.2	137	89.1	141	89.4	147	85.0	198	88.9	287	88.5	410	86.8	482	89.4
Israel	634	60.7	104	57.7	92	70.7	104	56.7	90	57.8	83	61.4	81	60.5	80	61.3
Jordan	710	47.2	93	48.4	75	48.0	93	46.2	103	55.3	121	46.3	115	46.1	110	40.9
Lebanon	440	75.5	61	77.0	67	82.1	60	70.0	72	69.4	66	80.3	66	81.8	48	64.6
Nepal	719	86.9	59	88.1	71	88.7	73	84.9	100	86.0	94	86.2	150	90.0	172	84.9
Pakistan	592	52.4	72	73.6	47	D	58	60.3	91	46.2	99	42.4	98	49.0	127	47.2
Saudi Arabia	432	13.7	61	11.5	47	D	40	17.5	49	14.3	57	14.0	73	11.0	105	17.1
Turkey	3,402	62.3	560	66.1	527	66.0	477	54.3	493	61.9	439	63.8	479	60.5	427	62.5
Other	1,365	57.1	156	55.8	184	57.6	160	58.1	185	53.0	194	58.8	236	55.1	250	60.8
Country unknown	794	35.8	114	36.0	106	41.5	127	44.1	93	37.6	68	41.2	175	25.7	111	31.5

D = suppressed to avoid disclosure of confidential information.

[a] Includes Hong Kong.

NOTE: Percentages based on all doctorate recipients on temporary visas who indicated where they intended to stay after graduation (United States versus foreign location), not just those with definite commitments for employment or postdoctoral study.

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

TABLE 54. Statistical profile of doctorate recipients, by sex and broad field of study: 2014

Characteristic	All fields	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
All doctorate recipients (number)[e]	54,070	12,504	9,859	8,657	9,568	4,793	5,486	3,203
Sex (%)								
Male	53.7	43.7	71.0	40.2	76.8	30.6	49.2	49.5
Female	46.0	56.0	28.6	59.5	22.8	69.2	50.8	50.1
Unknown	0.3	0.3	0.4	0.3	0.4	0.2	0.1	0.4
Citizenship (%)								
U.S. citizen or permanent resident	62.9	67.5	51.3	72.4	42.1	82.0	79.5	59.9
Temporary visa holder	29.3	25.2	41.5	17.9	51.6	10.0	12.9	29.0
Unknown	7.8	7.3	7.1	9.7	6.3	8.0	7.7	11.1
Marital status (%)								
Never married	30.6	31.2	37.9	26.9	38.1	17.5	24.9	22.4
Married	45.2	45.3	41.3	43.1	42.8	56.1	47.6	49.7
Marriage-like relationship	8.0	9.3	7.4	9.9	5.9	5.0	10.5	5.2
Separated, divorced, widowed	3.5	3.0	1.8	4.8	1.7	7.4	4.9	4.5
Unknown	12.7	11.2	11.5	15.2	11.5	14.0	12.1	18.1
Bachelor's in same field as doctorate (%)[f]	54.7	50.6	64.3	50.9	76.3	24.6	52.4	36.4
Master's earned (%)	68.9	48.6	60.6	80.9	71.6	86.5	84.1	80.7
Age at doctorate (median years)	31.6	31.0	29.9	32.5	30.0	38.3	34.2	35.1
Time to doctorate (median years)								
From bachelor's	8.8	8.3	7.3	9.4	7.3	14.7	11.0	11.5
From graduate school start	7.3	6.7	6.5	7.8	6.5	11.7	9.2	9.2
Male doctorate recipients (number)	29,049	5,468	7,004	3,477	7,349	1,467	2,697	1,587
Citizenship (%)								
U.S. citizen or permanent resident	57.4	64.7	50.4	67.3	41.0	81.0	79.3	57.4
Temporary visa holder	35.1	27.9	42.4	23.5	52.9	10.8	12.8	32.1
Unknown	7.5	7.4	7.1	9.3	6.1	8.1	7.8	10.5
Marital status (%)								
Never married	32.3	31.9	38.5	27.9	38.2	15.3	23.3	20.3
Married	45.7	45.4	41.7	44.9	43.5	61.4	50.6	53.9
Marriage-like relationship	7.2	8.8	6.8	8.9	5.6	4.2	10.0	4.6
Separated, divorced, widowed	2.3	2.2	1.5	3.8	1.6	4.2	4.0	2.5
Unknown	12.4	11.6	11.4	14.6	11.3	14.9	12.1	18.7
Bachelor's in same field as doctorate (%)[f]	58.0	47.8	64.0	49.2	77.4	22.4	53.8	36.7
Master's earned (%)	67.8	46.4	61.2	80.0	72.6	85.3	83.6	79.3
Age at doctorate (median years)	31.4	31.1	30.1	32.9	30.2	39.1	34.4	35.7
Time to doctorate (median years)								
From bachelor's	8.4	8.2	7.3	9.6	7.4	15.2	11.0	11.4
From graduate school start	7.2	6.7	6.6	7.9	6.6	11.7	9.0	9.0
Female doctorate recipients (number)	24,857	6,998	2,820	5,155	2,179	3,316	2,785	1,604
Citizenship (%)								
U.S. citizen or permanent resident	69.7	70.0	54.2	76.2	46.5	82.7	79.7	62.8
Temporary visa holder	22.7	23.3	39.8	14.3	48.2	9.6	12.9	26.2
Unknown	7.6	6.7	6.0	9.5	5.3	7.7	7.4	11.0
Marital status (%)								
Never married	28.8	30.8	37.0	26.4	38.8	18.6	26.5	24.7
Married	44.9	45.4	40.7	42.1	41.4	53.9	44.7	46.0
Marriage-like relationship	9.0	9.8	9.0	10.7	7.1	5.4	11.0	5.9
Separated, divorced, widowed	4.9	3.7	2.6	5.6	2.0	8.9	5.9	6.5
Unknown	12.4	10.4	10.7	15.2	10.6	13.3	11.9	16.9
Bachelor's in same field as doctorate (%)[f]	51.2	53.1	65.7	52.4	73.9	25.6	51.1	36.3
Master's earned (%)	70.5	50.5	59.9	81.9	69.4	87.2	84.7	82.6
Age at doctorate (median years)	31.9	30.8	29.6	32.2	29.5	38.0	33.8	34.6

TABLE 54. Statistical profile of doctorate recipients, by sex and broad field of study: 2014

Characteristic	All fields	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
Time to doctorate (median years)								
From bachelor's	9.2	8.3	7.2	9.3	7.0	14.5	11.0	11.6
From graduate school start	7.7	6.8	6.3	7.7	6.3	11.5	9.2	9.4

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] Includes respondents who did not report sex.

[f] A bachelor's degree is counted as "in same field as doctorate" if the fields of study for the doctorate recipient's bachelor's degree and doctorate degree are both in the same major field category of the National Science Foundation's field of study taxonomy, except for engineering and education fields where broad field categories need be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 55. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2014

Characteristic	All fields	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
All doctorate recipients (number)[e]	54,070	12,504	9,859	8,657	9,568	4,793	5,486	3,203
Postgraduation status (number)[f]								
Definite postgraduation study	10,697	3,969	2,715	1,712	1,536	200	444	121
Definite employment	16,442	2,138	2,657	2,990	3,006	2,229	1,937	1,485
Seeking employment or study	16,413	3,981	2,889	2,106	3,303	1,347	2,039	748
Other[g]	2,213	786	329	240	397	150	205	106
Definite postgraduation study (%)[h]								
Postdoc fellowship	53.4	57.6	41.3	72.7	33.2	51.5	83.6	59.5
Postdoc research associateship	44.1	39.9	56.8	22.6	65.4	43.0	15.5	36.4
Other or unknown[i]	2.6	2.5	1.9	4.7	1.4	5.5	0.9	4.1
Definite employment (%)[j]								
Academe	50.7	47.6	30.3	61.3	18.1	60.1	83.3	79.2
Government	7.8	11.4	6.2	11.3	10.4	5.1	2.2	4.8
Industry or business[k]	30.9	29.7	59.8	15.7	68.7	3.7	4.4	10.3
Nonprofit organization	5.2	9.4	2.2	8.3	2.3	4.6	5.5	4.4
Other or unknown[l]	5.4	1.9	1.5	3.4	0.5	26.5	4.6	1.3
Primary activity[m]								
R&D	42.4	45.3	66.3	36.9	72.6	11.3	9.9	35.0
Teaching	34.7	29.2	20.1	37.5	8.8	44.3	75.5	47.1
Management or administration	10.8	10.6	3.3	9.2	5.1	32.2	8.4	10.5
Professional services	10.0	12.5	7.4	15.2	10.1	10.9	5.0	6.0
Other	2.1	2.4	2.8	1.2	3.5	1.3	1.3	1.3
Secondary activity[n]								
R&D	28.9	28.1	18.7	34.2	13.1	30.0	49.8	41.3
Teaching	15.2	13.3	8.1	23.5	7.5	15.9	11.6	33.4
Management or administration	12.3	16.4	12.3	10.0	17.6	11.7	8.7	6.2
Professional services	7.4	9.2	6.7	7.6	6.9	10.8	5.1	4.7
Other	1.9	1.6	1.8	1.9	2.4	1.5	2.5	0.8
No secondary activity	34.3	31.5	52.3	22.8	52.5	30.1	22.4	13.8
Activity unknown	4.5	4.8	4.2	4.9	4.3	4.2	3.6	6.0
Postgraduation location (%)[o]								
United States[p]	89.2	91.4	87.2	86.8	89.4	94.4	88.2	88.2
New England	8.3	9.9	8.7	8.6	8.0	4.7	8.7	5.4
Middle Atlantic	12.5	12.1	11.9	14.8	9.5	10.4	17.2	13.0
East North Central	11.8	11.0	10.4	10.6	12.3	15.0	13.0	14.7
West North Central	5.3	6.5	4.1	5.3	3.7	7.4	6.0	5.4
South Atlantic	16.3	18.1	12.6	19.3	13.5	20.0	14.2	18.1
East South Central	3.8	3.7	2.0	3.4	3.3	8.2	4.3	5.1
West South Central	8.0	7.3	7.0	7.1	8.7	11.0	7.7	9.8
Mountain	5.2	4.5	5.4	4.3	5.7	7.5	4.5	5.5
Pacific and insular	18.0	18.1	24.8	13.2	24.5	10.1	12.5	11.1
Not in United States	10.6	8.4	12.5	13.0	10.4	5.4	11.6	11.6
Location unknown	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
Male doctorate recipients (number)	29,049	5,468	7,004	3,477	7,349	1,467	2,697	1,587
Postgraduation status (number)[f]								
Definite postgraduation study	5,887	1,850	1,971	598	1,162	41	225	40
Definite employment	9,020	873	1,929	1,335	2,396	760	948	779
Seeking employment or study	8,662	1,632	2,001	830	2,483	352	1,032	332
Other[g]	1,112	363	208	89	283	41	77	51

TABLE 55. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2014

Characteristic	All fields	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
Definite postgraduation study (%)[h]								
Postdoc fellowship	48.3	56.3	41.1	66.7	31.9	48.8	80.9	55.0
Postdoc research associateship	49.4	41.0	57.0	28.4	66.8	46.3	18.7	42.5
Other or unknown[i]	2.3	2.7	1.9	4.8	1.3	4.9	0.4	2.5
Definite employment (%)[j]								
Academe	43.7	40.9	27.0	61.1	17.1	59.2	81.0	79.6
Government	8.4	13.1	6.3	13.3	10.4	6.2	2.3	3.9
Industry or business[k]	40.0	37.7	63.7	16.0	70.0	3.8	4.9	11.3
Nonprofit organization	4.1	6.5	1.9	7.1	2.1	4.2	7.1	4.1
Other or unknown[l]	3.7	1.8	1.1	2.5	0.4	26.6	4.7	1.2
Primary activity[m]								
R&D	51.3	56.1	69.6	42.5	74.2	9.3	9.6	36.7
Teaching	28.6	21.5	17.1	35.8	8.3	41.1	75.4	45.9
Management or administration	9.3	8.4	3.1	9.0	4.9	40.5	8.7	9.8
Professional services	8.6	11.9	7.2	11.2	9.3	8.2	5.3	6.3
Other	2.3	2.1	3.0	1.5	3.3	0.8	1.1	1.2
Secondary activity[n]								
R&D	25.5	22.5	17.7	33.9	12.8	27.4	51.0	40.2
Teaching	14.5	12.0	7.7	26.3	7.5	17.0	12.3	36.3
Management or administration	13.2	19.5	12.6	10.2	18.2	11.0	7.6	5.8
Professional services	7.0	10.5	6.2	6.9	6.7	10.8	5.2	4.4
Other	1.7	1.1	2.1	2.0	2.1	1.1	1.9	0.3
No secondary activity	38.1	34.4	53.6	20.6	52.7	32.7	22.1	13.1
Activity unknown	4.5	5.8	4.4	4.2	4.0	3.9	4.0	6.7
Postgraduation location (%)[o]								
United States[p]	87.5	90.3	86.4	81.1	89.3	92.0	87.0	86.9
New England	8.3	10.6	8.4	8.6	7.8	4.0	8.8	5.3
Middle Atlantic	12.2	12.2	12.7	13.2	9.6	10.4	17.0	13.1
East North Central	11.2	10.3	9.7	9.7	12.4	14.1	13.3	13.8
West North Central	5.0	6.8	4.1	5.1	3.5	8.2	5.3	5.0
South Atlantic	14.5	15.9	11.4	18.4	13.0	20.0	13.5	18.3
East South Central	3.6	3.5	1.9	3.6	3.4	8.9	4.6	5.4
West South Central	7.5	6.8	6.8	7.2	8.4	9.1	7.2	8.9
Mountain	5.2	4.7	4.9	3.9	6.0	8.1	4.6	6.5
Pacific and insular	19.8	19.4	26.2	11.1	24.9	9.1	12.6	10.7
Not in United States	12.3	9.4	13.4	18.8	10.5	7.9	12.9	12.9
Location unknown	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.1
Female doctorate recipients (number)	24,857	6,998	2,820	5,155	2,179	3,316	2,785	1,604
Postgraduation status (number)[f]								
Definite postgraduation study	4,810	2,119	744	1,114	374	159	219	81
Definite employment	7,422	1,265	728	1,655	610	1,469	989	706
Seeking employment or study	7,751	2,349	888	1,276	820	995	1,007	416
Other[g]	1,101	423	121	151	114	109	128	55
Definite postgraduation study (%)[h]								
Postdoc fellowship	59.5	58.7	41.9	75.9	37.2	52.2	86.3	61.7
Postdoc research associateship	37.6	38.9	56.0	19.5	61.2	42.1	12.3	33.3
Other or unknown[i]	2.9	2.4	2.0	4.6	1.6	5.7	1.4	4.9
Definite employment (%)[j]								
Academe	59.1	52.3	39.1	61.4	21.8	60.6	85.4	78.8
Government	7.1	10.3	6.0	9.7	10.8	4.6	2.0	5.8
Industry or business[k]	19.8	24.2	49.3	15.5	63.3	3.7	4.0	9.2

TABLE 55. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2014

Characteristic	All fields	Life sciences[a]	Physical sciences[b]	Social sciences[c]	Engineering	Education	Humanities	Other[d]
Nonprofit organization	6.5	11.4	2.9	9.2	3.1	4.8	4.0	4.7
Other or unknown[l]	7.5	1.9	2.6	4.1	1.0	26.4	4.4	1.6
Primary activity[m]								
R&D	31.7	38.1	57.7	32.4	66.1	12.4	10.1	33.2
Teaching	42.1	34.4	28.2	38.9	10.6	46.0	75.6	48.4
Management or administration	12.7	12.0	3.8	9.4	6.1	27.8	8.0	11.4
Professional services	11.8	12.9	8.0	18.4	13.2	12.3	4.7	5.7
Other	1.8	2.6	2.3	0.9	4.0	1.5	1.6	1.3
Secondary activity[n]								
R&D	33.1	31.9	21.4	34.5	14.4	31.3	48.6	42.5
Teaching	16.0	14.1	9.3	21.2	7.5	15.4	10.9	30.2
Management or administration	11.3	14.3	11.3	9.8	15.1	12.0	9.7	6.6
Professional services	7.9	8.3	8.1	8.1	7.8	10.8	5.0	4.9
Other	2.0	1.9	1.1	1.9	3.3	1.7	3.1	1.3
No secondary activity	29.7	29.5	48.9	24.5	51.9	28.8	22.7	14.5
Activity unknown	4.5	4.0	3.6	5.5	5.6	4.3	3.1	5.2
Postgraduation location (%)[o]								
United States[p]	91.4	92.3	89.5	90.8	89.7	95.6	89.4	89.5
New England	8.3	9.4	9.7	8.6	8.9	5.0	8.7	5.5
Middle Atlantic	12.8	12.1	9.9	16.0	8.9	10.4	17.4	12.8
East North Central	12.5	11.6	12.2	11.3	11.8	15.4	12.7	15.6
West North Central	5.8	6.3	4.1	5.5	4.3	7.0	6.8	5.7
South Atlantic	18.4	19.9	15.9	19.9	15.1	20.0	14.9	17.9
East South Central	4.1	3.9	2.2	3.3	3.0	7.9	4.0	4.8
West South Central	8.5	7.7	7.7	7.0	9.7	11.9	8.1	10.8
Mountain	5.1	4.4	6.6	4.6	4.6	7.2	4.4	4.6
Pacific and insular	15.8	17.0	21.1	14.7	23.2	10.6	12.3	11.4
Not in United States	8.4	7.5	10.3	9.0	10.3	4.2	10.3	10.3
Location unknown	0.2	0.1	0.2	0.1	0.0	0.2	0.2	0.3

[a] Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

[b] Includes mathematics and computer and information sciences.

[c] Includes psychology.

[d] Non-science and engineering fields not shown separately.

[e] Includes respondents who did not report sex.

[f] Includes only respondents who responded to postgraduation status.

[g] Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

[h] Excludes respondents who indicated plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postgraduation plans for study.

[i] "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

[j] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

[k] Includes doctorate recipients who indicated self-employment.

[l] "Other" is mainly composed of elementary and secondary schools.

[m] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

[n] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and secondary work activity.

[o] Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

[p] Includes cases with an unknown U.S region of employment after doctorate; see technical notes for states or territories included in regions.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 56. Statistical profile of doctorate recipients in life sciences fields, by sex and field of study: 2014

Characteristic	All life sciences fields	Agricultural sciences and natural resources	Biological, biomedical sciences	Health sciences
All doctorate recipients (number)[a]	12,504	1,303	8,991	2,210
Sex (%)				
Male	43.7	51.7	46.0	29.9
Female	56.0	48.3	53.7	69.9
Unknown	0.3	0.1	0.4	0.2
Citizenship (%)				
U.S. citizen or permanent resident	67.5	55.9	67.8	73.0
Temporary visa holder	25.2	38.2	24.9	18.9
Unknown	7.3	5.9	7.3	8.1
Marital status (%)				
Never married	31.2	27.0	34.4	20.3
Married	45.3	49.6	42.3	55.0
Marriage-like relationship	9.3	9.1	10.2	6.0
Separated, divorced, widowed	3.0	3.4	2.2	6.1
Unknown	11.2	10.9	10.9	12.6
Bachelor's in same field as doctorate (%)[b]	50.6	42.1	52.9	46.2
Master's earned (%)	48.6	73.5	37.8	77.8
Age at doctorate (median years)	31.0	32.2	30.3	35.5
Time to doctorate (median years)				
From bachelor's	8.3	9.0	7.7	12.2
From graduate school start	6.7	7.5	6.5	9.5
Male doctorate recipients (number)	5,468	673	4,134	661
Citizenship (%)				
U.S. citizen or permanent resident	64.7	53.6	67.0	62.2
Temporary visa holder	27.9	39.8	25.9	28.1
Unknown	7.4	6.5	7.2	9.7
Marital status (%)				
Never married	31.9	23.5	34.8	22.8
Married	45.4	53.2	43.2	51.3
Marriage-like relationship	8.8	8.9	9.0	7.4
Separated, divorced, widowed	2.2	3.3	1.9	3.0
Unknown	11.6	11.1	11.1	15.4
Bachelor's in same field as doctorate (%)[b]	47.8	43.4	50.2	37.7
Master's earned (%)	46.4	74.3	37.8	72.2
Age at doctorate (median years)	31.1	32.8	30.7	33.7
Time to doctorate (median years)				
From bachelor's	8.2	9.4	7.9	10.2
From graduate school start	6.7	7.7	6.7	7.9
Female doctorate recipients (number)	6,998	629	4,825	1,544
Citizenship (%)				
U.S. citizen or permanent resident	70.0	58.3	69.0	77.8
Temporary visa holder	23.3	36.6	24.3	15.0
Unknown	6.7	5.1	6.7	7.2
Marital status (%)				
Never married	30.8	30.8	34.4	19.3
Married	45.4	45.8	41.8	56.7
Marriage-like relationship	9.8	9.4	11.3	5.4
Separated, divorced, widowed	3.7	3.5	2.5	7.4
Unknown	10.4	10.5	10.1	11.1
Bachelor's in same field as doctorate (%)[b]	53.1	40.9	55.6	50.1
Master's earned (%)	50.5	72.8	38.1	80.4
Age at doctorate (median years)	30.8	31.6	30.1	37.0

TABLE 56. Statistical profile of doctorate recipients in life sciences fields, by sex and field of study: 2014

Characteristic	All life sciences fields	Agricultural sciences and natural resources	Biological, biomedical sciences	Health sciences
Time to doctorate (median years)				
From bachelor's	8.3	8.7	7.6	13.3
From graduate school start	6.8	7.3	6.3	10.3

[a] Includes respondents who did not report sex.

[b] A bachelor's degree is counted as "in same field as doctorate" if the fields of study for the doctorate recipient's bachelor's degree and doctorate degree are both in the same major field category of the National Science Foundation's field of study taxonomy, except for engineering and education fields where broad field categories need be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 57. Statistical profile of postgraduation plans of doctorate recipients in life sciences fields, by sex and field of study: 2014

Characteristic	All life sciences fields	Agricultural sciences and natural resources	Biological, biomedical sciences	Health sciences
All doctorate recipients (number)[a]	12,504	1,303	8,991	2,210
Postgraduation status (number)[b]				
Definite postgraduation study	3,969	294	3,336	339
Definite employment	2,138	336	1,000	802
Seeking employment or study	3,981	458	2,894	629
Other[c]	786	37	659	90
Definite postgraduation study (%)[d]				
Postdoc fellowship	57.6	33.0	58.4	71.1
Postdoc research associateship	39.9	65.6	38.8	27.4
Other or unknown[e]	2.5	1.4	2.8	1.5
Definite employment (%)[f]				
Academe	47.6	41.1	40.0	59.9
Government	11.4	19.6	9.5	10.3
Industry or business[g]	29.7	32.7	41.5	13.7
Nonprofit organization	9.4	5.4	6.6	14.6
Other or unknown[h]	1.9	1.2	2.4	1.5
Primary activity[i]				
R&D	45.3	61.5	53.2	29.0
Teaching	29.2	22.1	21.6	41.5
Management or administration	10.6	7.3	7.5	15.7
Professional services	12.5	6.6	14.5	12.6
Other	2.4	2.5	3.2	1.3
Secondary activity[j]				
R&D	28.1	22.4	21.6	38.3
Teaching	13.3	13.2	10.7	16.5
Management or administration	16.4	22.4	17.7	12.3
Professional services	9.2	11.4	8.9	8.7
Other	1.6	1.6	1.8	1.3
No secondary activity	31.5	29.0	39.3	22.9
Activity unknown	4.8	5.7	5.3	3.7
Postgraduation location (%)[k]				
United States[l]	91.4	83.5	92.0	93.8
New England	9.9	3.8	12.0	5.3
Middle Atlantic	12.1	5.9	12.8	13.0
East North Central	11.0	13.5	10.3	12.4
West North Central	6.5	11.9	5.4	7.5
South Atlantic	18.1	14.0	17.2	24.0
East South Central	3.7	4.6	3.1	5.3
West South Central	7.3	7.8	6.6	9.5
Mountain	4.5	7.6	4.1	4.3
Pacific and insular	18.1	14.3	20.2	12.2
Not in United States	8.4	16.0	7.8	6.1
Location unknown	0.2	0.5	0.2	0.1
Male doctorate recipients (number)	5,468	673	4,134	661
Postgraduation status (number)[b]				
Definite postgraduation study	1,850	164	1,583	103
Definite employment	873	168	488	217
Seeking employment or study	1,632	222	1,228	182
Other[c]	363	18	316	29
Definite postgraduation study (%)[d]				
Postdoc fellowship	56.3	34.8	57.6	70.9

TABLE 57. Statistical profile of postgraduation plans of doctorate recipients in life sciences fields, by sex and field of study: 2014

Characteristic	All life sciences fields	Agricultural sciences and natural resources	Biological, biomedical sciences	Health sciences
Postdoc research associateship	41.0	64.6	39.4	28.2
Other or unknown[e]	2.7	0.6	3.0	1.0
Definite employment (%)[f]				
Academe	40.9	38.7	35.5	54.8
Government	13.1	20.2	10.2	13.8
Industry or business[g]	37.7	34.5	46.5	20.3
Nonprofit organization	6.5	4.8	5.7	9.7
Other or unknown[h]	1.8	1.8	2.0	1.4
Primary activity[i]				
R&D	56.1	65.0	61.0	37.9
Teaching	21.5	20.6	16.3	34.0
Management or administration	8.4	8.1	5.9	14.3
Professional services	11.9	4.4	14.4	12.3
Other	2.1	1.9	2.4	1.5
Secondary activity[j]				
R&D	22.5	20.6	18.7	32.5
Teaching	12.0	13.8	9.8	15.8
Management or administration	19.5	26.9	19.2	14.3
Professional services	10.5	10.6	10.2	10.8
Other	1.1	0.6	1.5	0.5
No secondary activity	34.4	27.5	40.5	26.1
Activity unknown	5.8	4.8	5.9	6.5
Postgraduation location (%)[k]				
United States[l]	90.3	81.0	91.5	92.5
New England	10.6	3.9	12.7	4.1
Middle Atlantic	12.2	5.1	13.4	11.9
East North Central	10.3	16.3	9.5	9.7
West North Central	6.8	10.8	5.8	8.4
South Atlantic	15.9	11.7	15.0	26.3
East South Central	3.5	3.6	3.3	4.4
West South Central	6.8	7.5	6.1	10.6
Mountain	4.7	7.8	4.3	3.8
Pacific and insular	19.4	13.9	21.2	13.4
Not in United States	9.4	18.1	8.4	7.2
Location unknown	0.3	0.9	0.2	0.3
Female doctorate recipients (number)	6,998	629	4,825	1,544
Postgraduation status (number)[b]				
Definite postgraduation study	2,119	130	1,753	236
Definite employment	1,265	168	512	585
Seeking employment or study	2,349	236	1,666	447
Other[c]	423	19	343	61
Definite postgraduation study (%)[d]				
Postdoc fellowship	58.7	30.8	59.1	71.2
Postdoc research associateship	38.9	66.9	38.4	27.1
Other or unknown[e]	2.4	2.3	2.5	1.7
Definite employment (%)[f]				
Academe	52.3	43.5	44.3	61.7
Government	10.3	19.0	8.8	9.1
Industry or business[g]	24.2	31.0	36.7	11.3
Nonprofit organization	11.4	6.0	7.4	16.4
Other or unknown[h]	1.9	0.6	2.7	1.5

TABLE 57. Statistical profile of postgraduation plans of doctorate recipients in life sciences fields, by sex and field of study: 2014

Characteristic	All life sciences fields	Agricultural sciences and natural resources	Biological, biomedical sciences	Health sciences
Primary activity[i]				
R&D	38.1	58.0	45.9	25.8
Teaching	34.4	23.6	26.6	44.1
Management or administration	12.0	6.4	9.0	16.2
Professional services	12.9	8.9	14.5	12.7
Other	2.6	3.2	3.9	1.2
Secondary activity[j]				
R&D	31.9	24.2	24.4	40.4
Teaching	14.1	12.7	11.5	16.7
Management or administration	14.3	17.8	16.4	11.6
Professional services	8.3	12.1	7.6	7.9
Other	1.9	2.5	2.0	1.6
No secondary activity	29.5	30.6	38.1	21.8
Activity unknown	4.0	6.5	4.7	2.7
Postgraduation location (%)[k]				
United States[l]	92.3	86.2	92.4	94.3
New England	9.4	3.7	11.4	5.8
Middle Atlantic	12.1	6.7	12.3	13.4
East North Central	11.6	10.4	11.0	13.5
West North Central	6.3	13.1	5.1	7.2
South Atlantic	19.9	16.4	19.2	23.1
East South Central	3.9	5.7	3.0	5.7
West South Central	7.7	8.1	7.1	9.0
Mountain	4.4	7.4	3.9	4.5
Pacific and insular	17.0	14.8	19.2	11.7
Not in United States	7.5	13.8	7.4	5.7
Location unknown	0.1	0.0	0.2	0.0

[a] Includes respondents who did not report sex.

[b] Includes only respondents who responded to postgraduation status.

[c] Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

[d] Excludes respondents who indicated plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postgraduation plans for study.

[e] "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

[f] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

[g] Includes doctorate recipients who indicated self-employment.

[h] "Other" is mainly composed of elementary and secondary schools.

[i] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

[j] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and secondary work activity.

[k] Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

[l] Includes cases with an unknown U.S region of employment after doctorate; see technical notes for states or territories included in regions.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 58. Statistical profile of doctorate recipients in physical sciences fields, by sex and field of study: 2014

Characteristic	All physical sciences fields	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy
All doctorate recipients (number)[a]	9,859	2,673	2,072	989	1,879	2,246
Sex (%)						
Male	71.0	61.5	80.0	58.6	71.1	79.6
Female	28.6	38.2	19.6	41.3	28.5	20.0
Unknown	0.4	0.4	0.4	0.1	0.4	0.4
Citizenship (%)						
U.S. citizen or permanent resident	51.3	54.1	40.9	63.4	49.7	53.7
Temporary visa holder	41.5	37.5	51.5	31.7	43.6	39.7
Unknown	7.1	8.4	7.6	4.9	6.7	6.6
Marital status (%)						
Never married	37.9	37.9	34.5	33.0	41.7	40.2
Married	41.3	40.1	47.0	43.5	37.6	39.5
Marriage-like relationship	7.4	8.1	5.7	11.5	7.1	6.7
Separated, divorced, widowed	1.8	1.2	1.8	3.0	1.6	2.2
Unknown	11.5	12.7	11.0	9.0	12.0	11.4
Bachelor's in same field as doctorate (%)[b]	64.3	70.9	50.5	48.2	70.9	70.7
Master's earned (%)	60.6	36.1	74.9	70.2	69.5	65.0
Age at doctorate (median years)	29.9	29.2	31.2	31.2	29.5	29.8
Time to doctorate (median years)						
From bachelor's	7.3	6.4	8.4	8.4	7.0	7.3
From graduate school start	6.5	5.7	7.3	7.3	6.3	6.7
Male doctorate recipients (number)	7,004	1,643	1,657	580	1,336	1,788
Citizenship (%)						
U.S. citizen or permanent resident	50.4	53.8	40.0	57.9	50.4	54.6
Temporary visa holder	42.4	38.0	52.5	35.5	42.5	39.3
Unknown	7.1	8.2	7.5	6.6	7.0	6.1
Marital status (%)						
Never married	38.5	37.4	36.1	29.0	43.8	40.8
Married	41.7	42.5	46.0	46.9	36.3	39.4
Marriage-like relationship	6.8	6.6	5.5	10.9	7.3	6.7
Separated, divorced, widowed	1.5	1.3	1.4	1.6	1.1	2.1
Unknown	11.4	12.1	10.9	11.7	11.5	11.1
Bachelor's in same field as doctorate (%)[b]	64.0	70.7	51.7	46.9	69.7	70.8
Master's earned (%)	61.2	36.2	74.4	70.0	66.9	64.7
Age at doctorate (median years)	30.1	29.4	31.1	31.7	29.6	29.9
Time to doctorate (median years)						
From bachelor's	7.3	6.5	8.3	8.5	7.0	7.3
From graduate school start	6.6	5.7	7.3	7.6	6.2	6.7
Female doctorate recipients (number)	2,820	1,020	407	408	535	450
Citizenship (%)						
U.S. citizen or permanent resident	54.2	55.2	45.5	71.3	48.6	50.9
Temporary visa holder	39.8	37.0	48.4	26.5	46.9	42.0
Unknown	6.0	7.8	6.1	2.2	4.5	7.1
Marital status (%)						
Never married	37.0	38.9	28.3	38.7	37.2	38.7
Married	40.7	36.6	52.1	38.7	41.3	40.9
Marriage-like relationship	9.0	10.6	6.9	12.5	6.9	6.9
Separated, divorced, widowed	2.6	1.1	3.2	5.1	2.8	2.7
Unknown	10.7	12.8	9.6	4.9	11.8	10.9
Bachelor's in same field as doctorate (%)[b]	65.7	72.0	46.9	50.2	75.0	71.3
Master's earned (%)	59.9	36.4	78.4	70.6	76.4	67.3
Age at doctorate (median years)	29.6	28.8	31.3	30.6	29.4	29.6

TABLE 58. Statistical profile of doctorate recipients in physical sciences fields, by sex and field of study: 2014

Characteristic	All physical sciences fields	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy
Time to doctorate (median years)						
From bachelor's	7.2	6.3	8.9	8.2	7.2	7.3
From graduate school start	6.3	5.7	7.9	7.2	6.6	6.3

[a] Includes respondents who did not report sex.

[b] A bachelor's degree is counted as "in same field as doctorate" if the fields of study for the doctorate recipient's bachelor's degree and doctorate degree are both in the same major field category of the National Science Foundation's field of study taxonomy, except for engineering and education fields where broad field categories need be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 59. Statistical profile of postgraduation plans of doctorate recipients in physical sciences fields, by sex and field of study: 2014

Characteristic	All physical sciences fields	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy
All doctorate recipients (number)[a]	9,859	2,673	2,072	989	1,879	2,246
Postgraduation status (number)[b]						
Definite postgraduation study	2,715	802	262	360	521	770
Definite employment	2,657	531	907	232	552	435
Seeking employment or study	2,889	904	536	251	498	700
Other[c]	329	84	93	31	58	63
Definite postgraduation study (%)[d]						
Postdoc fellowship	41.3	38.0	36.3	44.7	53.0	37.0
Postdoc research associateship	56.8	60.6	62.2	53.6	45.3	60.1
Other or unknown[e]	1.9	1.4	1.5	1.7	1.7	2.9
Definite employment (%)[f]						
Academe	30.3	27.7	22.4	31.9	51.4	22.5
Government	6.2	5.1	5.1	14.2	5.1	7.1
Industry or business[g]	59.8	64.0	69.8	47.0	39.3	66.4
Nonprofit organization	2.2	D	D	5.6	2.2	2.5
Other or unknown[h]	1.5	D	D	1.3	2.0	1.4
Primary activity[i]						
R&D	66.3	67.1	76.1	58.9	52.6	66.5
Teaching	20.1	22.0	11.5	18.3	38.5	13.6
Management or administration	3.3	3.4	4.5	4.5	D	D
Professional services	7.4	5.1	4.8	15.6	5.3	13.6
Other	2.8	2.4	3.1	2.7	D	D
Secondary activity[j]						
R&D	18.7	15.8	13.9	25.9	29.8	14.4
Teaching	8.1	3.8	9.3	9.4	12.6	4.5
Management or administration	12.3	19.4	10.2	16.1	7.2	12.2
Professional services	6.7	6.9	4.4	12.1	7.7	7.2
Other	1.8	1.8	2.4	0.9	1.3	1.9
No secondary activity	52.3	52.3	59.7	35.7	41.3	59.8
Activity unknown	4.2	4.9	4.2	3.4	4.0	3.9
Postgraduation location (%)[k]						
United States[l]	87.2	89.6	91.0	88.2	84.5	82.9
New England	8.7	10.1	7.8	8.3	8.9	8.3
Middle Atlantic	11.9	10.4	13.3	5.6	15.0	12.7
East North Central	10.4	13.9	5.5	5.4	13.8	10.8
West North Central	4.1	5.6	2.5	2.2	7.0	2.6
South Atlantic	12.6	14.1	8.8	13.5	13.0	13.8
East South Central	2.0	3.0	D	D	2.1	1.9
West South Central	7.0	6.6	4.6	17.6	6.8	4.9
Mountain	5.4	3.8	3.3	12.8	4.9	5.8
Pacific and insular	24.8	21.9	43.2	22.1	13.0	21.9
Not in United States	12.5	10.2	8.7	11.7	15.2	16.9
Location unknown	0.2	0.2	0.3	0.2	0.3	0.2
Male doctorate recipients (number)	7,004	1,643	1,657	580	1,336	1,788
Postgraduation status (number)[b]						
Definite postgraduation study	1,971	549	210	200	397	615
Definite employment	1,929	308	743	145	370	363
Seeking employment or study	2,001	542	415	141	352	551
Other[c]	208	37	73	15	36	47

TABLE 59. Statistical profile of postgraduation plans of doctorate recipients in physical sciences fields, by sex and field of study: 2014

Characteristic	All physical sciences fields	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy
Definite postgraduation study (%)[d]						
Postdoc fellowship	41.1	39.0	35.7	43.5	53.7	35.9
Postdoc research associateship	57.0	59.6	62.4	54.0	45.6	61.3
Other or unknown[e]	1.9	1.5	1.9	2.5	0.8	2.8
Definite employment (%)[f]						
Academe	27.0	25.0	20.5	26.9	47.6	21.2
Government	6.3	D	5.1	15.2	5.7	D
Industry or business[g]	63.7	69.2	72.0	53.1	42.2	68.3
Nonprofit organization	1.9	D	1.7	4.1	D	D
Other or unknown[h]	1.1	D	0.7	0.7	D	1.1
Primary activity[i]						
R&D	69.6	70.8	77.7	62.1	57.0	68.0
Teaching	17.1	18.6	10.6	13.6	35.1	12.1
Management or administration	3.1	3.1	4.1	D	2.2	D
Professional services	7.2	5.5	4.2	16.4	4.5	13.5
Other	3.0	2.1	3.4	D	1.1	D
Secondary activity[j]						
R&D	17.7	15.8	13.1	29.3	27.2	14.4
Teaching	7.7	3.1	8.7	D	12.6	D
Management or administration	12.6	20.3	10.4	19.3	8.1	12.7
Professional services	6.2	6.9	D	D	7.0	6.3
Other	2.1	2.7	D	0.0	1.7	D
No secondary activity	53.6	51.2	60.3	35.0	43.3	60.2
Activity unknown	4.4	5.5	4.4	3.4	3.8	4.4
Postgraduation location (%)[k]						
United States[l]	86.4	88.0	91.7	87.2	82.8	82.3
New England	8.4	9.3	7.6	8.4	8.9	8.0
Middle Atlantic	12.7	10.0	14.3	5.8	16.9	12.6
East North Central	9.7	12.5	D	D	13.0	10.7
West North Central	4.1	6.3	2.3	D	6.6	D
South Atlantic	11.4	12.3	8.1	10.1	11.6	14.0
East South Central	1.9	3.3	1.6	D	1.4	D
West South Central	6.8	6.9	4.5	18.6	6.6	4.9
Mountain	4.9	4.1	3.1	12.2	4.4	5.2
Pacific and insular	26.2	23.1	44.7	23.5	13.2	22.1
Not in United States	13.4	11.7	8.1	12.8	16.9	17.5
Location unknown	0.2	0.4	0.2	0.0	0.3	0.2
Female doctorate recipients (number)	2,820	1,020	407	408	535	450
Postgraduation status (number)[b]						
Definite postgraduation study	744	253	52	160	124	155
Definite employment	728	223	164	87	182	72
Seeking employment or study	888	362	121	110	146	149
Other[c]	121	47	20	16	22	16
Definite postgraduation study (%)[d]						
Postdoc fellowship	41.9	36.0	38.5	46.3	50.8	41.3
Postdoc research associateship	56.0	62.8	61.5	53.1	44.4	55.5
Other or unknown[e]	2.0	1.2	0.0	0.6	4.8	3.2
Definite employment (%)[f]						
Academe	39.1	31.4	31.1	40.2	59.3	29.2
Government	6.0	D	4.9	12.6	3.8	D

TABLE 59. Statistical profile of postgraduation plans of doctorate recipients in physical sciences fields, by sex and field of study: 2014

Characteristic	All physical sciences fields	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy
Industry or business[g]	49.3	57.0	59.8	36.8	33.5	56.9
Nonprofit organization	2.9	D	D	8.0	D	D
Other or unknown[h]	2.6	3.6	D	2.3	D	2.8
Primary activity[i]						
R&D	57.7	62.1	68.6	53.6	43.7	59.2
Teaching	28.2	26.6	15.7	26.2	45.4	21.1
Management or administration	3.8	3.7	6.3	D	D	D
Professional services	8.0	4.7	7.5	14.3	6.9	14.1
Other	2.3	2.8	1.9	D	D	D
Secondary activity[j]						
R&D	21.4	15.9	17.6	20.2	35.1	14.1
Teaching	9.3	4.7	11.9	D	12.6	D
Management or administration	11.3	18.2	9.4	10.7	5.2	9.9
Professional services	8.1	7.0	D	D	9.2	11.3
Other	1.1	0.5	D	2.4	0.6	D
No secondary activity	48.9	53.7	57.2	36.9	37.4	57.7
Activity unknown	3.6	4.0	3.0	3.4	4.4	1.4
Postgraduation location (%)[k]						
United States[l]	89.5	92.4	88.0	89.5	88.9	85.5
New England	9.7	11.6	8.8	8.1	8.8	9.7
Middle Atlantic	9.9	10.9	9.3	5.3	10.1	13.2
East North Central	12.2	16.4	D	D	15.7	11.0
West North Central	4.1	4.2	3.2	D	7.8	D
South Atlantic	15.9	17.4	12.0	18.2	16.7	12.8
East South Central	2.2	2.5	D	D	3.6	D
West South Central	7.7	6.1	5.1	16.2	7.2	4.8
Mountain	6.6	3.4	4.2	13.8	6.2	8.4
Pacific and insular	21.1	19.7	36.6	20.2	12.7	21.1
Not in United States	10.3	7.6	11.6	10.1	10.8	14.5
Location unknown	0.2	0.0	0.5	0.4	0.3	0.0

D = suppressed to avoid disclosure of confidential information.

[a] Includes respondents who did not report sex.

[b] Includes only respondents who responded to postgraduation status.

[c] Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

[d] Excludes respondents who indicated plans for other full-time degree program. Percentages based on the number of doctorate recipients reporting definite postgraduation plans for study.

[e] "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

[f] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

[g] Includes doctorate recipients who indicated self-employment.

[h] "Other" is mainly composed of elementary and secondary schools.

[i] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

[j] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and secondary work activity.

[k] Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

[l] Includes cases with an unknown U.S region of employment after doctorate; see technical notes for states or territories included in regions.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 60. Statistical profile of doctorate recipients in social sciences fields, by sex and field of study: 2014

Characteristic	All social sciences fields	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences
All doctorate recipients (number)[a]	8,657	527	1,194	776	3,765	678	1,717
Sex (%)							
Male	40.2	37.4	65.7	55.8	28.5	36.6	43.3
Female	59.5	62.6	33.8	44.1	71.1	63.4	56.6
Unknown	0.3	0.0	0.5	0.1	0.4	0.0	0.2
Citizenship (%)							
U.S. citizen or permanent resident	72.4	77.2	39.2	73.6	80.9	79.6	72.0
Temporary visa holder	17.9	16.7	52.4	18.7	6.7	13.6	20.4
Unknown	9.7	6.1	8.4	7.7	12.4	6.8	7.6
Marital status (%)							
Never married	26.9	27.1	36.2	26.8	26.1	22.1	24.3
Married	43.1	45.5	40.0	47.9	39.4	49.1	48.0
Marriage-like relationship	9.9	9.5	8.5	10.1	10.5	12.4	8.9
Separated, divorced, widowed	4.8	6.8	2.2	3.9	4.4	6.2	6.9
Unknown	15.2	11.0	13.1	11.3	19.7	10.2	11.9
Bachelor's in same field as doctorate (%)[b]	50.9	40.8	55.4	57.0	63.6	40.9	24.5
Master's earned (%)	80.9	85.2	77.9	82.2	77.7	87.9	85.4
Age at doctorate (median years)	32.5	35.0	31.0	33.0	31.3	34.0	34.9
Time to doctorate (median years)							
From bachelor's	9.4	11.8	8.3	10.0	8.3	11.0	11.7
From graduate school start	7.8	9.8	6.9	8.2	7.0	9.3	9.7
Male doctorate recipients (number)	3,477	197	784	433	1,072	248	743
Citizenship (%)							
U.S. citizen or permanent resident	67.3	71.6	41.2	73.0	80.4	75.8	68.5
Temporary visa holder	23.5	23.4	50.5	18.2	7.7	15.7	23.3
Unknown	9.3	5.1	8.3	8.8	11.8	8.5	8.2
Marital status (%)							
Never married	27.9	21.3	35.7	27.0	27.6	25.4	23.1
Married	44.9	52.3	41.2	49.7	38.8	48.4	51.5
Marriage-like relationship	8.9	8.1	8.0	9.0	10.1	12.1	7.0
Separated, divorced, widowed	3.8	7.6	1.9	2.5	3.8	3.6	5.4
Unknown	14.6	10.7	13.1	11.8	19.7	10.5	12.9
Bachelor's in same field as doctorate (%)[b]	49.2	39.1	57.3	55.2	61.0	38.3	26.2
Master's earned (%)	80.0	82.7	77.6	79.9	77.2	87.1	83.7
Age at doctorate (median years)	32.9	35.4	31.2	33.1	32.0	34.5	35.2
Time to doctorate (median years)							
From bachelor's	9.6	12.1	8.4	10.2	8.4	11.0	12.0
From graduate school start	7.9	9.8	6.9	8.0	7.0	9.3	9.7
Female doctorate recipients (number)	5,155	330	404	342	2,678	430	971
Citizenship (%)							
U.S. citizen or permanent resident	76.2	80.6	35.9	74.6	81.6	81.9	74.9
Temporary visa holder	14.3	12.7	56.9	19.3	6.3	12.3	18.3
Unknown	9.5	6.7	7.2	6.1	12.2	5.8	6.8
Marital status (%)							
Never married	26.4	30.6	37.6	26.6	25.6	20.2	25.3
Married	42.1	41.5	38.4	45.9	39.8	49.5	45.5
Marriage-like relationship	10.7	10.3	9.4	11.4	10.7	12.6	10.3
Separated, divorced, widowed	5.6	6.4	2.7	5.6	4.7	7.7	8.0
Unknown	15.2	11.2	11.9	10.5	19.2	10.0	10.8
Bachelor's in same field as doctorate (%)[b]	52.4	41.8	52.5	59.4	65.0	42.3	23.2
Master's earned (%)	81.9	86.7	79.5	85.4	78.3	88.4	86.8
Age at doctorate (median years)	32.2	34.7	30.7	32.7	31.1	33.7	34.7

TABLE 60. Statistical profile of doctorate recipients in social sciences fields, by sex and field of study: 2014

Characteristic	All social sciences fields	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences
Time to doctorate (median years)							
From bachelor's	9.3	11.3	8.2	10.0	8.3	11.0	11.6
From graduate school start	7.7	9.9	6.9	8.3	7.0	9.1	9.7

[a] Includes respondents who did not report sex.

[b] A bachelor's degree is counted as "in same field as doctorate" if the fields of study for the doctorate recipient's bachelor's degree and doctorate degree are both in the same major field category of the National Science Foundation's field of study taxonomy, except for engineering and education fields where broad field categories need be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 61. Statistical profile of postgraduation plans of doctorate recipients in social sciences fields, by sex and field of study: 2014

Characteristic	All social sciences fields	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences
All doctorate recipients (number)[a]	8,657	527	1,194	776	3,765	678	1,717
Postgraduation status (number)[b]							
Definite postgraduation study	1,712	95	109	99	1,142	101	166
Definite employment	2,990	141	710	311	919	265	644
Seeking employment or study	2,106	195	162	214	791	188	556
Other[c]	240	26	27	24	79	27	57
Definite postgraduation study (%)[d]							
Postdoc fellowship	72.7	63.2	71.6	75.8	76.7	64.4	54.8
Postdoc research associateship	22.6	35.8	27.5	22.2	16.9	32.7	45.2
Other or unknown[e]	4.7	1.1	0.9	2.0	6.4	3.0	0.0
Definite employment (%)[f]							
Academe	61.3	77.3	60.3	79.7	47.9	86.4	58.7
Government	11.3	5.0	14.2	5.1	10.3	4.9	16.5
Industry or business[g]	15.7	4.3	18.7	7.1	24.0	3.8	12.1
Nonprofit organization	8.3	11.3	4.6	6.4	12.1	4.2	8.9
Other or unknown[h]	3.4	2.1	2.1	1.6	5.7	0.8	3.9
Primary activity[i]							
R&D	36.9	25.2	64.3	30.5	24.1	26.8	34.0
Teaching	37.5	61.5	23.2	57.9	29.6	63.8	38.3
Management or administration	9.2	D	3.2	7.9	9.3	D	17.1
Professional services	15.2	D	8.6	2.0	36.1	D	8.2
Other	1.2	0.7	0.7	1.7	0.8	0.0	2.4
Secondary activity[i]							
R&D	34.2	40.7	25.5	49.3	29.6	48.0	35.7
Teaching	23.5	16.3	36.6	22.5	16.4	18.9	22.7
Management or administration	10.0	11.1	9.3	6.0	11.8	6.3	11.4
Professional services	7.6	6.7	5.8	5.6	10.4	7.1	6.9
Other	1.9	0.7	2.5	0.7	2.2	1.6	1.9
No secondary activity	22.8	24.4	20.3	15.9	29.5	18.1	21.3
Activity unknown	4.9	4.3	3.4	2.9	8.1	4.2	3.6
Postgraduation location (%)[k]							
United States[l]	86.8	80.1	70.3	83.4	94.9	90.7	84.9
New England	8.6	7.2	7.9	11.5	9.0	9.8	6.7
Middle Atlantic	14.8	13.1	12.6	16.3	15.8	19.7	12.1
East North Central	10.6	11.9	6.8	9.0	12.7	11.7	9.3
West North Central	5.3	4.7	2.8	4.9	6.8	7.4	3.5
South Atlantic	19.3	15.3	21.5	16.6	17.8	16.1	24.8
East South Central	3.4	3.4	2.3	4.4	3.4	3.0	4.2
West South Central	7.1	6.4	2.9	8.5	8.1	7.9	8.0
Mountain	4.3	6.8	2.7	3.2	4.8	3.8	4.8
Pacific and insular	13.2	11.0	10.5	9.0	16.4	10.9	11.6
Not in United States	13.0	19.9	29.5	16.6	5.1	9.0	14.6
Location unknown	0.1	0.0	0.1	0.0	*	0.3	0.5
Male doctorate recipients (number)	3,477	197	784	433	1,072	248	743
Postgraduation status (number)[b]							
Definite postgraduation study	598	38	75	57	325	33	70
Definite employment	1,335	55	471	156	287	98	268
Seeking employment or study	830	69	99	126	215	73	248
Other[c]	89	8	19	15	20	6	21
Definite postgraduation study (%)[d]							
Postdoc fellowship	66.7	68.4	70.7	75.4	68.3	66.7	47.1

TABLE 61. Statistical profile of postgraduation plans of doctorate recipients in social sciences fields, by sex and field of study: 2014

Characteristic	All social sciences fields	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences
Postdoc research associateship	28.4	31.6	28.0	22.8	23.7	30.3	52.9
Other or unknown[e]	4.8	0.0	1.3	1.8	8.0	3.0	0.0
Definite employment (%)[f]							
Academe	61.1	76.4	60.5	82.1	46.3	85.7	53.7
Government	13.3	D	15.5	4.5	12.2	D	20.1
Industry or business[g]	16.0	D	17.6	7.7	26.5	D	13.1
Nonprofit organization	7.1	D	4.5	4.5	11.8	D	9.0
Other or unknown[h]	2.5	3.6	1.9	1.3	3.1	1.0	4.1
Primary activity[i]							
R&D	42.5	22.6	63.2	30.1	30.8	25.3	35.7
Teaching	35.8	62.3	23.0	58.8	27.4	68.4	36.0
Management or administration	9.0	D	D	6.5	11.4	D	17.8
Professional services	11.2	D	8.8	D	29.7	D	7.4
Other	1.5	1.9	D	D	0.8	0.0	3.1
Secondary activity[j]							
R&D	33.9	41.5	25.4	49.0	31.9	50.5	34.1
Teaching	26.3	17.0	36.8	22.2	16.7	17.9	25.2
Management or administration	10.2	D	9.0	6.5	12.5	D	14.0
Professional services	6.9	D	5.9	5.2	9.5	D	6.6
Other	2.0	1.9	3.1	0.0	1.5	2.1	1.9
No secondary activity	20.6	22.6	19.9	17.0	27.8	15.8	18.2
Activity unknown	4.2	3.6	3.0	1.9	8.4	3.1	3.7
Postgraduation location (%)[k]							
United States[l]	81.1	69.9	68.9	80.8	92.3	91.6	79.6
New England	8.6	6.5	8.2	13.6	8.3	9.9	6.5
Middle Atlantic	13.2	15.1	11.9	15.0	13.7	18.3	10.7
East North Central	9.7	11.8	7.9	8.0	11.9	13.0	8.0
West North Central	5.1	5.4	3.1	4.2	7.2	9.2	3.3
South Atlantic	18.4	7.5	19.8	15.0	17.8	13.7	24.3
East South Central	3.6	D	2.6	5.2	4.1	D	3.8
West South Central	7.2	D	3.3	8.5	9.2	D	8.0
Mountain	3.9	6.5	2.7	3.8	4.2	3.8	4.4
Pacific and insular	11.1	8.6	9.0	7.5	15.5	7.6	10.7
Not in United States	18.8	30.1	31.1	19.2	7.5	7.6	20.1
Location unknown	0.2	0.0	0.0	0.0	0.2	0.8	0.3
Female doctorate recipients (number)	5,155	330	404	342	2,678	430	971
Postgraduation status (number)[b]							
Definite postgraduation study	1,114	57	34	42	817	68	96
Definite employment	1,655	86	239	155	632	167	376
Seeking employment or study	1,276	126	63	88	576	115	308
Other[c]	151	18	8	9	59	21	36
Definite postgraduation study (%)[d]							
Postdoc fellowship	75.9	59.6	73.5	76.2	80.0	63.2	60.4
Postdoc research associateship	19.5	38.6	26.5	21.4	14.2	33.8	39.6
Other or unknown[e]	4.6	1.8	0.0	2.4	5.8	2.9	0.0
Definite employment (%)[f]							
Academe	61.4	77.9	59.8	77.4	48.6	86.8	62.2
Government	9.7	D	11.7	5.8	9.5	D	13.8
Industry or business[g]	15.5	D	20.9	6.5	22.9	D	11.4
Nonprofit organization	9.2	D	5.0	8.4	12.2	D	8.8
Other or unknown[h]	4.1	1.2	2.5	1.9	6.8	0.6	3.7

TABLE 61. Statistical profile of postgraduation plans of doctorate recipients in social sciences fields, by sex and field of study: 2014

Characteristic	All social sciences fields	Anthropology	Economics	Political science	Psychology	Sociology	Other social sciences
Primary activity[i]							
R&D	32.4	26.8	66.4	30.9	21.1	27.7	32.8
Teaching	38.9	61.0	23.6	57.0	30.6	61.0	39.9
Management or administration	9.4	D	D	9.4	8.4	D	16.5
Professional services	18.4	D	8.3	D	39.0	D	8.8
Other	0.9	0.0	D	D	0.9	0.0	1.9
Secondary activity[j]							
R&D	34.5	40.2	25.8	49.7	28.5	46.5	36.9
Teaching	21.2	15.9	36.2	22.8	16.3	19.5	20.9
Management or administration	9.8	D	10.0	5.4	11.5	D	9.6
Professional services	8.1	D	5.7	6.0	10.8	D	7.2
Other	1.9	0.0	1.3	1.3	2.6	1.3	1.9
No secondary activity	24.5	25.6	21.0	14.8	30.2	19.5	23.4
Activity unknown	5.5	4.7	4.2	3.9	7.9	4.8	3.5
Postgraduation location (%)[k]							
United States[l]	90.8	86.7	73.3	86.3	95.9	90.2	88.8
New England	8.6	7.7	7.3	9.1	9.2	9.8	6.8
Middle Atlantic	16.0	11.9	13.9	17.8	16.7	20.4	13.1
East North Central	11.3	11.9	4.8	10.2	13.0	11.1	10.2
West North Central	5.5	4.2	2.2	5.6	6.6	6.4	3.6
South Atlantic	19.9	20.3	24.9	18.3	17.7	17.4	25.2
East South Central	3.3	D	1.8	3.6	3.2	D	4.4
West South Central	7.0	D	2.2	8.6	7.6	D	8.1
Mountain	4.6	7.0	2.6	2.5	5.0	3.8	5.1
Pacific and insular	14.7	12.6	13.6	10.7	16.8	12.8	12.3
Not in United States	9.0	13.3	26.4	13.7	4.1	9.8	10.6
Location unknown	0.1	0.0	0.4	0.0	0.0	0.0	0.6

* = value < 0.05%; D = suppressed to avoid disclosure of confidential information.

[a] Includes respondents who did not report sex.

[b] Includes only respondents who responded to postgraduation status.

[c] Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

[d] Excludes respondents who indicated plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postgraduation plans for study.

[e] "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

[f] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

[g] Includes doctorate recipients who indicated self-employment.

[h] "Other" is mainly composed of elementary and secondary schools.

[i] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

[j] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and secondary work activity.

[k] Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

[l] Includes cases with an unknown U.S region of employment after doctorate; see technical notes for states or territories included in regions.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 62. Statistical profile of doctorate recipients in engineering fields, by sex and field of study: 2014

Characteristic	All engineering fields	Aerospace, aeronautical, and astronautical engineering	Chemical engineering	Civil engineering	Electrical, electronics, and communication engineering	Industrial and manufacturing engineering	Materials science engineering	Mechanical engineering	Other engineering
All doctorate recipients (number)[a]	9,568	387	975	622	1,957	298	836	1,332	3,161
Sex (%)									
Male	76.8	85.5	70.2	75.6	82.7	70.1	74.0	84.7	72.4
Female	22.8	14.2	29.7	23.6	16.7	29.9	25.5	14.8	27.3
Unknown	0.4	0.3	0.1	0.8	0.7	0.0	0.5	0.5	0.3
Citizenship (%)									
U.S. citizen or permanent resident	42.1	63.6	45.8	36.8	29.5	30.5	43.5	41.9	48.0
Temporary visa holder	51.6	32.0	49.5	54.7	62.2	62.1	50.4	51.7	46.7
Unknown	6.3	4.4	4.6	8.5	8.3	7.4	6.1	6.5	5.3
Marital status (%)									
Never married	38.1	40.1	47.1	29.6	37.9	35.2	40.9	37.6	36.8
Married	42.8	41.3	37.3	47.6	43.6	46.3	39.5	43.5	43.5
Marriage-like relationship	5.9	D	5.7	4.8	4.0	D	8.0	4.5	7.2
Separated, divorced, widowed	1.7	D	1.1	2.6	1.4	D	1.2	1.9	2.0
Unknown	11.5	10.1	8.7	15.4	13.1	12.8	10.4	12.5	10.5
Bachelor's in same field as doctorate (%)[b]	76.3	82.9	83.7	75.9	79.9	69.8	67.6	83.3	70.9
Master's earned (%)	71.6	85.3	48.9	81.0	78.0	81.2	57.7	78.1	71.1
Age at doctorate (median years)	30.0	29.6	28.8	31.7	30.2	31.2	29.3	30.2	30.2
Time to doctorate (median years)									
From bachelor's	7.3	6.8	6.1	8.5	7.6	8.3	6.7	7.3	7.5
From graduate school start	6.5	6.3	5.6	7.3	6.7	7.0	6.0	6.5	6.7
Male doctorate recipients (number)	7,349	331	684	470	1,618	209	619	1,128	2,290
Citizenship (%)									
U.S. citizen or permanent resident	41.0	62.8	48.0	33.2	30.0	28.7	44.3	41.9	45.1
Temporary visa holder	52.9	33.5	47.2	58.9	62.3	63.6	49.9	52.1	49.6
Unknown	6.1	3.6	4.8	7.9	7.7	7.7	5.8	5.9	5.4
Marital status (%)									
Never married	38.2	39.0	49.4	29.1	38.3	32.5	41.5	38.7	35.8
Married	43.5	43.8	35.4	49.6	44.1	47.4	40.5	43.4	44.6
Marriage-like relationship	5.6	D	5.6	4.0	4.1	D	D	D	6.6
Separated, divorced, widowed	1.6	D	0.9	2.3	1.2	D	D	D	2.1
Unknown	11.3	9.1	8.8	14.9	12.3	14.4	9.7	11.4	11.0
Bachelor's in same field as doctorate (%)[b]	77.4	83.1	85.5	79.1	80.6	70.3	68.0	83.7	71.5
Master's earned (%)	72.6	86.1	49.3	82.6	78.0	80.9	56.5	78.2	72.6
Age at doctorate (median years)	30.2	29.7	28.8	31.9	30.2	31.4	29.4	30.3	30.4
Time to doctorate (median years)									
From bachelor's	7.4	6.8	6.1	8.7	7.6	8.4	6.7	7.3	7.6
From graduate school start	6.6	6.3	5.6	7.5	6.7	7.0	6.0	6.5	6.7
Female doctorate recipients (number)	2,179	55	290	147	326	89	213	197	862
Citizenship (%)									
U.S. citizen or permanent resident	46.5	69.1	41.0	49.7	28.2	34.8	42.3	43.1	56.3
Temporary visa holder	48.2	23.6	55.2	42.9	64.4	58.4	52.6	50.8	39.6

TABLE 62. Statistical profile of doctorate recipients in engineering fields, by sex and field of study: 2014

Characteristic	All engineering fields	Aerospace, aeronautical, and astronautical engineering	Chemical engineering	Civil engineering	Electrical, electronics, and communication engineering	Industrial and manufacturing engineering	Materials science engineering	Mechanical engineering	Other engineering
Unknown	5.3	7.3	3.8	7.5	7.4	6.7	5.2	6.1	4.2
Marital status (%)									
Never married	38.8	47.3	41.7	32.0	37.4	41.6	39.9	32.5	39.8
Married	41.4	27.3	42.1	42.9	42.9	43.8	37.1	45.7	41.2
Marriage-like relationship	7.1	10.9	6.2	7.5	3.4	D	D	D	8.9
Separated, divorced, widowed	2.0	0.0	1.7	3.4	2.5	D	D	D	1.6
Unknown	10.6	14.5	8.3	14.3	13.8	9.0	10.8	15.2	8.5
Bachelor's in same field as doctorate (%)[b]	73.9	83.6	79.7	68.0	79.1	68.5	67.6	84.3	70.1
Master's earned (%)	69.4	81.8	48.3	78.9	80.7	82.0	62.0	80.2	68.0
Age at doctorate (median years)	29.5	28.9	28.8	31.0	29.9	30.8	28.8	29.7	29.7
Time to doctorate (median years)									
From bachelor's	7.0	6.5	6.3	7.9	7.6	7.9	6.6	7.3	7.3
From graduate school start	6.3	5.8	5.7	6.7	6.9	7.0	5.9	6.5	6.4

D = suppressed to avoid disclosure of confidential information.

[a] Includes respondents who did not report sex.

[b] A bachelor's degree is counted as "in same field as doctorate" if the fields of study for the doctorate recipient's bachelor's degree and doctorate degree are both in the same major field category of the National Science Foundation's field of study taxonomy, except for engineering and education fields where broad field categories need be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 63. Statistical profile of postgraduation plans of doctorate recipients in engineering fields, by sex and field of study: 2014

Characteristic	All engineering fields	Aerospace, aeronautical, and astronautical engineering	Chemical engineering	Civil engineering	Electrical, electronics, and communication engineering	Industrial and manufacturing engineering	Materials science engineering	Mechanical engineering	Other engineering
All doctorate recipients (number)[a]	9,568	387	975	622	1,957	298	836	1,332	3,161
Postgraduation status (number)[b]									
Definite postgraduation study	1,536	67	184	95	203	20	157	246	564
Definite employment	3,006	145	278	166	759	107	217	397	937
Seeking employment or study	3,303	124	369	232	605	100	319	465	1,089
Other[c]	397	14	30	21	100	16	27	40	149
Definite postgraduation study (%)[d]									
Postdoc fellowship	33.2	28.4	28.8	D	30.5	D	27.4	35.0	38.5
Postdoc research associateship	65.4	71.6	70.1	70.5	67.5	80.0	72.6	63.4	59.9
Other or unknown[e]	1.4	0.0	1.1	D	2.0	D	0.0	1.6	1.6
Definite employment (%)[f]									
Academe	18.1	14.5	9.7	43.4	13.3	29.9	12.4	17.9	20.5
Government	10.4	27.6	D	D	7.1	11.2	10.1	11.6	10.1
Industry or business[g]	68.7	50.3	83.8	35.5	77.9	51.4	75.1	68.5	66.0
Nonprofit organization	2.3	6.9	D	D	1.2	7.5	2.3	2.0	2.8
Other or unknown[h]	0.5	0.7	1.4	0.0	0.5	0.0	0.0	0.0	0.6
Primary activity[i]									
R&D	72.6	77.4	78.9	43.4	84.6	53.8	83.0	74.9	64.3
Teaching	8.8	7.3	4.9	22.6	6.6	16.3	5.8	10.1	8.6
Management or administration	5.1	D	2.6	10.1	1.7	15.4	D	4.3	7.5
Professional services	10.1	7.3	8.7	22.0	4.8	7.7	7.8	7.2	15.0
Other	3.5	D	4.9	1.9	2.3	6.7	D	3.5	4.5
Secondary activity[j]									
R&D	13.1	10.9	6.4	29.6	8.3	23.1	7.8	13.3	16.4
Teaching	7.5	3.6	3.8	19.5	5.9	13.5	4.9	4.8	9.3
Management or administration	17.6	19.7	24.2	13.8	13.8	12.5	24.8	18.7	17.6
Professional services	6.9	8.0	7.2	6.3	3.4	12.5	4.4	7.5	9.3
Other	2.4	5.1	1.9	1.3	2.2	1.9	1.0	3.5	2.3
No secondary activity	52.5	52.6	56.6	29.6	66.4	36.5	57.3	52.3	45.1
Activity unknown	4.3	5.5	4.7	4.2	4.3	2.8	5.1	5.5	3.5
Postgraduation location (%)[k]									
United States[l]	89.4	91.5	90.9	81.2	90.2	89.8	90.1	90.0	89.0
New England	8.0	10.8	8.0	5.0	7.2	4.7	7.8	8.2	9.0
Middle Atlantic	9.5	2.4	11.0	8.8	9.0	11.0	8.8	10.3	10.1
East North Central	12.3	16.5	14.9	10.0	8.2	22.8	12.8	18.5	10.1
West North Central	3.7	4.2	4.1	7.3	1.8	3.9	3.7	4.4	3.8
South Atlantic	13.5	17.0	10.6	14.6	10.1	18.1	11.0	14.3	15.7
East South Central	3.3	3.8	2.2	5.7	1.6	5.5	4.5	3.0	4.1
West South Central	8.7	5.7	13.0	9.6	7.9	8.7	6.7	7.6	9.1

TABLE 63. Statistical profile of postgraduation plans of doctorate recipients in engineering fields, by sex and field of study: 2014

Characteristic	All engineering fields	Aerospace, aeronautical, and astronautical engineering	Chemical engineering	Civil engineering	Electrical, electronics, and communication engineering	Industrial and manufacturing engineering	Materials science engineering	Mechanical engineering	Other engineering
Mountain	5.7	6.6	3.5	7.7	5.8	5.5	6.4	5.8	5.6
Pacific and insular	24.5	24.5	23.2	12.6	38.5	8.7	27.8	17.9	21.4
Not in United States	10.4	8.0	8.9	18.8	9.6	9.4	9.9	9.8	10.8
Location unknown	0.2	0.5	0.2	0.0	0.2	0.8	0.0	0.2	0.2
Male doctorate recipients (number)	7,349	331	684	470	1,618	209	619	1,128	2,290
Postgraduation status (number)[b]									
Definite postgraduation study	1,162	D	122	72	162	D	122	203	409
Definite employment	2,396	D	200	127	650	D	156	345	713
Seeking employment or study	2,483	106	263	179	490	65	235	394	751
Other[c]	283	12	18	15	79	10	20	31	98
Definite postgraduation study (%)[d]									
Postdoc fellowship	31.9	D	27.9	30.6	29.6	D	26.2	34.5	36.2
Postdoc research associateship	66.8	73.7	71.3	D	68.5	D	73.8	64.5	62.1
Other or unknown[e]	1.3	0.0	0.8	D	1.9	D	0.0	1.0	1.7
Definite employment (%)[f]									
Academe	17.1	D	D	43.3	13.1	29.1	14.1	16.8	18.1
Government	10.4	D	4.5	D	7.2	7.6	D	D	10.2
Industry or business[g]	70.0	51.6	83.0	35.4	77.8	54.4	76.9	70.4	68.7
Nonprofit organization	2.1	D	D	D	1.4	D	D	D	2.5
Other or unknown[h]	0.4	0.8	1.0	0.0	0.5	0.0	0.0	0.0	0.4
Primary activity[i]									
R&D	74.2	79.0	81.0	43.3	84.4	55.3	85.3	75.5	66.6
Teaching	8.3	D	D	21.7	D	14.5	D	10.0	7.4
Management or administration	4.9	D	D	9.2	D	D	D	D	7.6
Professional services	9.3	D	7.4	23.3	4.5	D	D	D	14.2
Other	3.3	D	4.2	2.5	D	D	D	3.6	4.2
Secondary activity[j]									
R&D	12.8	D	D	27.5	8.8	22.4	D	D	15.3
Teaching	7.5	4.2	D	20.0	5.6	D	6.7	D	9.6
Management or administration	18.2	D	24.3	D	14.7	D	27.3	18.7	17.7
Professional services	6.7	D	5.8	D	D	D	D	D	9.2
Other	2.1	4.2	2.1	1.7	D	0.0	D	3.3	1.9
No secondary activity	52.7	52.1	56.1	28.3	65.2	36.8	53.3	52.6	46.4
Activity unknown	4.0	5.6	5.5	5.5	3.5	3.8	3.8	4.1	3.5
Postgraduation location (%)[k]									
United States[l]	89.3	D	91.0	79.9	90.1	D	91.4	89.8	88.6
New England	7.8	8.7	8.1	D	6.9	D	8.3	8.6	8.6
Middle Atlantic	9.6	2.7	11.2	D	8.9	D	9.0	10.4	10.6
East North Central	12.4	D	14.6	D	8.0	D	12.6	18.2	10.1

TABLE 63. Statistical profile of postgraduation plans of doctorate recipients in engineering fields, by sex and field of study: 2014

Characteristic	All engineering fields	Aerospace, aeronautical, and astronautical engineering	Chemical engineering	Civil engineering	Electrical, electronics, and communication engineering	Industrial and manufacturing engineering	Materials science engineering	Mechanical engineering	Other engineering
West North Central	3.5	D	D	6.5	D	D	D	D	3.4
South Atlantic	13.0	15.8	9.3	13.6	10.3	16.0	9.7	14.2	15.4
East South Central	3.4	4.4	D	D	D	D	D	D	4.0
West South Central	8.4	6.6	11.5	9.0	7.6	D	D	7.5	9.2
Mountain	6.0	7.7	D	D	6.3	7.4	5.8	5.5	5.7
Pacific and insular	24.9	23.5	24.8	11.6	38.5	5.3	29.5	17.7	21.6
Not in United States	10.5	D	8.7	20.1	9.6	D	8.6	10.0	11.1
Location unknown	0.3	0.5	0.3	0.0	0.2	1.1	0.0	0.2	0.3
Female doctorate recipients (number)	2,179	55	290	147	326	89	213	197	862
Postgraduation status (number)[b]									
Definite postgraduation study	374	D	62	23	41	D	35	43	155
Definite employment	610	D	78	39	109	D	61	52	224
Seeking employment or study	820	18	106	53	115	35	84	71	338
Other[c]	114	2	12	6	21	6	7	9	51
Definite postgraduation study (%)[d]									
Postdoc fellowship	37.2	D	30.6	D	34.1	D	31.4	37.2	44.5
Postdoc research associateship	61.2	60.0	67.7	D	63.4	D	68.6	58.1	54.2
Other or unknown[e]	1.6	0.0	1.6	0.0	2.4	0.0	0.0	4.7	1.3
Definite employment (%)[f]									
Academe	21.8	D	D	43.6	14.7	32.1	8.2	25.0	28.1
Government	10.8	D	D	D	6.4	21.4	D	D	9.8
Industry or business[g]	63.3	42.1	85.9	35.9	78.0	42.9	70.5	55.8	57.1
Nonprofit organization	3.1	D	0.0	D	0.0	D	D	D	3.6
Other or unknown[h]	1.0	0.0	2.6	0.0	0.9	0.0	0.0	0.0	1.3
Primary activity[i]									
R&D	66.1	66.7	73.7	43.6	85.9	50.0	76.8	70.5	56.9
Teaching	10.6	D	D	25.6	D	21.4	D	11.4	12.5
Management or administration	6.1	D	D	12.8	D	D	D	D	7.4
Professional services	13.2	D	11.8	17.9	7.1	D	D	D	17.6
Other	4.0	0.0	6.6	0.0	D	D	0.0	2.3	5.6
Secondary activity[j]									
R&D	14.4	D	D	35.9	5.1	25.0	D	D	19.9
Teaching	7.5	0.0	D	17.9	8.1	D	0.0	D	8.3
Management or administration	15.1	D	23.7	D	8.1	D	17.9	18.2	17.1
Professional services	7.8	D	10.5	D	D	D	D	D	9.7
Other	3.3	11.1	1.3	0.0	D	7.1	D	4.5	3.7
No secondary activity	51.9	55.6	57.9	33.3	73.7	35.7	67.9	50.0	41.2
Activity unknown	5.6	5.3	2.6	0.0	9.2	0.0	8.2	15.4	3.6

TABLE 63. Statistical profile of postgraduation plans of doctorate recipients in engineering fields, by sex and field of study: 2014

Characteristic	All engineering fields	Aerospace, aeronautical, and astronautical engineering	Chemical engineering	Civil engineering	Electrical, electronics, and communication engineering	Industrial and manufacturing engineering	Materials science engineering	Mechanical engineering	Other engineering
Postgraduation location (%)[k]									
United States[l]	89.7	D	90.7	85.5	90.7	D	86.5	91.6	90.2
New England	8.9	24.1	7.9	D	8.7	D	6.3	6.3	10.3
Middle Atlantic	8.9	0.0	10.7	D	10.0	D	8.3	9.5	8.7
East North Central	11.8	D	15.7	D	9.3	D	13.5	20.0	10.3
West North Central	4.3	D	D	9.7	D	D	D	D	5.0
South Atlantic	15.1	24.1	13.6	17.7	8.7	24.2	14.6	14.7	16.6
East South Central	3.0	0.0	D	D	D	D	D	D	4.2
West South Central	9.7	0.0	16.4	11.3	9.3	D	D	8.4	9.0
Mountain	4.6	0.0	D	D	3.3	0.0	8.3	7.4	5.3
Pacific and insular	23.2	31.0	19.3	16.1	38.0	18.2	22.9	18.9	20.8
Not in United States	10.3	D	9.3	14.5	9.3	D	13.5	8.4	9.8
Location unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

D = suppressed to avoid disclosure of confidential information.

[a] Includes respondents who did not report sex.

[b] Includes only respondents who responded to postgraduation status.

[c] Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

[d] Excludes respondents who indicated plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postgraduation plans for study.

[e] "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

[f] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

[g] Includes doctorate recipients who indicated self-employment.

[h] "Other" is mainly composed of elementary and secondary schools.

[i] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

[j] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and secondary work activity.

[k] Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

[l] Includes cases with an unknown U.S region of employment after doctorate; see technical notes for states or territories included in regions.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 64. Statistical profile of doctorate recipients in education fields, by sex and field of study: 2014

Characteristic	All education fields	Education administration	Education research	Teacher education	Teaching fields	Other education
All doctorate recipients (number)[a]	4,793	895	2,558	153	919	268
Sex (%)						
Male	30.6	41.5	28.2	22.9	29.1	27.2
Female	69.2	58.5	71.5	77.1	70.8	72.8
Unknown	0.2	0.0	0.4	0.0	0.1	0.0
Citizenship (%)						
U.S. citizen or permanent resident	82.0	85.1	82.1	86.9	79.8	75.4
Temporary visa holder	10.0	4.4	10.4	9.2	14.6	9.7
Unknown	8.0	10.5	7.5	3.9	5.7	14.9
Marital status (%)						
Never married	17.5	13.3	18.3	13.7	20.7	15.7
Married	56.1	58.0	56.9	63.4	56.3	37.7
Marriage-like relationship	5.0	2.8	6.1	D	4.5	D
Separated, divorced, widowed	7.4	9.1	7.1	D	7.0	D
Unknown	14.0	16.9	11.6	10.5	11.6	36.2
Bachelor's in same field as doctorate (%)[b]	24.6	28.6	20.6	38.6	32.2	15.3
Master's earned (%)	86.5	84.1	87.7	90.2	87.5	76.5
Age at doctorate (median years)	38.3	42.0	37.0	40.1	38.0	38.0
Time to doctorate (median years)						
From bachelor's	14.7	18.0	13.7	17.0	14.6	14.3
From graduate school start	11.7	14.3	10.9	11.6	11.2	11.7
Male doctorate recipients (number)	1,467	371	721	35	267	73
Citizenship (%)						
U.S. citizen or permanent resident	81.0	83.6	81.6	77.1	79.0	72.6
Temporary visa holder	10.8	5.1	11.4	14.3	17.6	8.2
Unknown	8.1	11.3	7.1	8.6	3.4	19.2
Marital status (%)						
Never married	15.3	D	16.8	D	20.6	9.6
Married	61.4	66.0	60.9	62.9	61.8	41.1
Marriage-like relationship	4.2	D	5.7	D	4.9	D
Separated, divorced, widowed	4.2	4.9	4.2	D	3.0	D
Unknown	14.9	17.8	12.5	17.1	9.7	42.5
Bachelor's in same field as doctorate (%)[b]	22.4	25.1	15.5	37.1	35.6	21.9
Master's earned (%)	85.3	83.3	86.3	85.7	90.6	67.1
Age at doctorate (median years)	39.1	42.3	37.8	38.3	37.9	36.9
Time to doctorate (median years)						
From bachelor's	15.2	18.2	14.0	14.4	14.7	13.9
From graduate school start	11.7	14.7	10.9	9.0	11.6	11.0
Female doctorate recipients (number)	3,316	524	1,828	118	651	195
Citizenship (%)						
U.S. citizen or permanent resident	82.7	86.3	82.8	89.8	80.2	76.4
Temporary visa holder	9.6	3.8	10.0	7.6	13.4	10.3
Unknown	7.7	9.9	7.2	2.5	6.5	13.3
Marital status (%)						
Never married	18.6	D	19.0	D	20.7	17.9
Married	53.9	52.3	55.6	63.6	54.1	36.4
Marriage-like relationship	5.4	D	6.2	D	4.3	6.2
Separated, divorced, widowed	8.9	12.0	8.3	10.2	8.6	5.6
Unknown	13.3	16.2	10.9	8.5	12.3	33.8
Bachelor's in same field as doctorate (%)[b]	25.6	31.1	22.6	39.0	30.9	12.8
Master's earned (%)	87.2	84.7	88.7	91.5	86.3	80.0
Age at doctorate (median years)	38.0	41.7	36.7	40.8	38.0	38.7

TABLE 64. Statistical profile of doctorate recipients in education fields, by sex and field of study: 2014

Characteristic	All education fields	Education administration	Education research	Teacher education	Teaching fields	Other education
Time to doctorate (median years)						
From bachelor's	14.5	17.5	13.6	17.8	14.6	14.8
From graduate school start	11.5	14.0	10.9	12.7	11.2	11.7

D = suppressed to avoid disclosure of confidential information.

[a] Includes respondents who did not report sex.

[b] A bachelor's degree is counted as "in same field as doctorate" if the fields of study for the doctorate recipient's bachelor's degree and doctorate degree are both in the same major field category of the National Science Foundation's field of study taxonomy, except for engineering and education fields where broad field categories need be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 65. Statistical profile of postgraduation plans of doctorate recipients in education fields, by sex and field of study: 2014

Characteristic	All education fields	Education administration	Education research	Teacher education	Teaching fields	Other education
All doctorate recipients (number)[a]	4,793	895	2,558	153	919	268
Postgraduation status (number)[b]						
Definite postgraduation study	200	6	141	D	44	D
Definite employment	2,229	440	1,184	D	436	D
Seeking employment or study	1,347	222	768	46	242	69
Other[c]	150	44	59	2	38	7
Definite postgraduation study (%)[d]						
Postdoc fellowship	51.5	D	55.3	D	38.6	D
Postdoc research associateship	43.0	D	39.0	D	59.1	D
Other or unknown[e]	5.5	D	5.7	D	2.3	0.0
Definite employment (%)[f]						
Academe	60.1	38.2	63.5	66.2	70.6	66.3
Government	5.1	5.5	5.9	D	2.5	D
Industry or business[g]	3.7	4.5	3.9	D	2.1	D
Nonprofit organization	4.6	3.9	5.6	D	2.1	D
Other or unknown[h]	26.5	48.0	21.1	16.2	22.7	18.9
Primary activity[i]						
R&D	11.3	4.0	15.1	8.5	9.1	10.1
Teaching	44.3	20.7	39.8	63.4	74.7	58.2
Management or administration	32.2	67.3	28.5	D	10.7	D
Professional services	10.9	7.3	15.2	D	4.1	D
Other	1.3	0.7	1.3	1.4	1.4	2.5
Secondary activity[i]						
R&D	30.0	13.9	29.2	38.0	45.6	38.0
Teaching	15.9	16.9	17.5	12.7	11.7	12.7
Management or administration	11.7	10.8	12.6	9.9	10.0	12.7
Professional services	10.8	11.3	11.6	11.3	7.9	12.7
Other	1.5	0.7	1.7	0.0	2.4	0.0
No secondary activity	30.1	46.4	27.5	28.2	22.4	24.1
Activity unknown	4.2	3.4	3.5	4.1	3.9	16.8
Postgraduation location (%)[k]						
United States[l]	94.4	97.1	94.3	93.6	92.7	92.0
New England	4.7	2.0	4.3	D	6.9	D
Middle Atlantic	10.4	7.2	9.9	11.5	14.0	14.0
East North Central	15.0	15.2	15.7	16.7	13.1	12.0
West North Central	7.4	7.4	7.4	7.7	7.9	5.0
South Atlantic	20.0	23.5	19.8	16.7	19.0	15.0
East South Central	8.2	11.7	7.1	D	8.1	D
West South Central	11.0	10.1	12.3	11.5	9.2	5.0
Mountain	7.5	8.7	7.8	6.4	6.0	6.0
Pacific and insular	10.1	11.0	10.0	D	8.5	D
Not in United States	5.4	2.2	5.6	6.4	7.3	8.0
Location unknown	0.2	0.7	0.1	0.0	0.0	0.0
Male doctorate recipients (number)	1,467	371	721	35	267	73
Postgraduation status (number)[b]						
Definite postgraduation study	41	0	29	0	D	D
Definite employment	760	204	365	18	D	D
Seeking employment or study	352	67	195	8	66	16
Other[c]	41	19	16	0	5	1
Definite postgraduation study (%)[d]						
Postdoc fellowship	48.8	0.0	D	0.0	D	D

TABLE 65. Statistical profile of postgraduation plans of doctorate recipients in education fields, by sex and field of study: 2014

Characteristic	All education fields	Education administration	Education research	Teacher education	Teaching fields	Other education
Postdoc research associateship	46.3	0.0	D	0.0	D	0.0
Other or unknown[e]	4.9	0.0	6.9	0.0	0.0	0.0
Definite employment (%)[f]						
Academe	59.2	35.3	66.6	72.2	70.3	72.0
Government	6.2	6.4	7.4	0.0	D	D
Industry or business[g]	3.8	4.4	3.8	D	D	0.0
Nonprofit organization	4.2	2.5	5.8	D	D	D
Other or unknown[h]	26.6	51.5	16.4	D	20.9	D
Primary activity[i]						
R&D	9.3	D	16.0	0.0	D	D
Teaching	41.1	21.7	36.3	64.7	75.0	52.4
Management or administration	40.5	71.2	35.7	D	12.5	D
Professional services	8.2	5.1	11.7	D	D	D
Other	0.8	D	0.3	0.0	2.1	D
Secondary activity[j]						
R&D	27.4	13.1	25.4	41.2	49.3	33.3
Teaching	17.0	14.6	20.6	D	11.8	D
Management or administration	11.0	10.1	12.6	D	D	D
Professional services	10.8	11.6	11.4	D	D	D
Other	1.1	0.5	0.9	0.0	2.8	0.0
No secondary activity	32.7	50.0	29.1	17.6	21.5	19.0
Activity unknown	3.9	2.9	4.1	5.6	2.7	16.0
Postgraduation location (%)[k]						
United States[l]	92.0	D	91.4	D	88.1	D
New England	4.0	D	3.6	0.0	6.9	D
Middle Atlantic	10.4	7.8	10.7	D	11.9	D
East North Central	14.1	12.7	15.5	D	12.6	D
West North Central	8.2	9.3	7.9	D	6.9	D
South Atlantic	20.0	20.6	19.5	D	21.4	D
East South Central	8.9	15.7	6.1	D	D	D
West South Central	9.1	9.3	9.4	D	8.2	D
Mountain	8.1	9.3	8.9	0.0	D	D
Pacific and insular	9.1	9.8	9.6	D	D	D
Not in United States	7.9	D	8.6	D	11.9	D
Location unknown	0.1	0.5	0.0	0.0	0.0	0.0
Female doctorate recipients (number)	3,316	524	1,828	118	651	195
Postgraduation status (number)[b]						
Definite postgraduation study	159	6	112	D	D	D
Definite employment	1,469	236	819	D	D	D
Seeking employment or study	995	155	573	38	176	53
Other[c]	109	25	43	2	33	6
Definite postgraduation study (%)[d]						
Postdoc fellowship	52.2	D	D	D	D	D
Postdoc research associateship	42.1	D	D	D	D	D
Other or unknown[e]	5.7	D	5.4	D	3.0	0.0
Definite employment (%)[f]						
Academe	60.6	40.7	62.1	64.3	70.8	64.3
Government	4.6	4.7	5.3	D	D	D
Industry or business[g]	3.7	4.7	3.9	D	D	D
Nonprofit organization	4.8	5.1	5.5	D	D	D
Other or unknown[h]	26.4	44.9	23.2	D	23.6	D

TABLE 65. Statistical profile of postgraduation plans of doctorate recipients in education fields, by sex and field of study: 2014

Characteristic	All education fields	Education administration	Education research	Teacher education	Teaching fields	Other education
Primary activity[i]						
R&D	12.4	D	14.8	11.1	D	D
Teaching	46.0	19.8	41.4	63.0	74.5	60.3
Management or administration	27.8	63.9	25.3	14.8	9.8	19.0
Professional services	12.3	9.3	16.8	9.3	D	D
Other	1.5	D	1.8	1.9	1.1	D
Secondary activity[j]						
R&D	31.3	14.5	30.8	37.0	43.6	39.7
Teaching	15.4	18.9	16.2	D	11.6	D
Management or administration	12.0	11.5	12.6	D	D	D
Professional services	10.8	11.0	11.6	D	D	D
Other	1.7	0.9	2.0	0.0	2.2	0.0
No secondary activity	28.8	43.2	26.8	31.5	22.9	25.9
Activity unknown	4.3	3.8	3.3	3.6	4.5	17.1
Postgraduation location (%)[k]						
United States[l]	95.6	D	95.6	D	95.0	D
New England	5.0	D	4.6	D	6.9	10.8
Middle Atlantic	10.4	6.6	9.6	D	15.0	D
East North Central	15.4	17.4	15.8	D	13.4	D
West North Central	7.0	5.8	7.2	D	8.4	D
South Atlantic	20.0	26.0	19.9	D	17.8	D
East South Central	7.9	8.3	7.5	11.7	D	D
West South Central	11.9	10.7	13.5	D	9.7	D
Mountain	7.2	8.3	7.3	8.3	D	D
Pacific and insular	10.6	12.0	10.1	D	D	21.6
Not in United States	4.2	D	4.3	D	5.0	D
Location unknown	0.2	0.8	0.1	0.0	0.0	0.0

D = suppressed to avoid disclosure of confidential information.

[a] Includes respondents who did not report sex.

[b] Includes only respondents who responded to postgraduation status.

[c] Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

[d] Excludes respondents who indicated plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postgraduation plans for study.

[e] "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

[f] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

[g] Includes doctorate recipients who indicated self-employment.

[h] "Other" is mainly composed of elementary and secondary schools.

[i] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

[j] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and secondary work activity.

[k] Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

[l] Includes cases with an unknown U.S region of employment after doctorate; see technical notes for states or territories included in regions.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 66. Statistical profile of doctorate recipients in humanities fields, by sex and field of study: 2014

Characteristic	All humanities fields	Foreign languages and literature	History	Letters	Other humanities
All doctorate recipients (number)[a]	5,486	676	1,182	1,553	2,075
Sex (%)					
Male	49.2	36.7	55.9	42.4	54.4
Female	50.8	63.0	44.0	57.6	45.5
Unknown	0.1	0.3	0.1	0.0	*
Citizenship (%)					
U.S. citizen or permanent resident	79.5	69.5	81.6	83.9	78.2
Temporary visa holder	12.9	21.0	12.4	9.0	13.3
Unknown	7.7	9.5	6.0	7.1	8.5
Marital status (%)					
Never married	24.9	26.3	24.5	25.3	24.3
Married	47.6	44.5	50.2	46.6	47.9
Marriage-like relationship	10.5	11.5	11.0	11.1	9.5
Separated, divorced, widowed	4.9	5.8	4.6	4.6	5.1
Unknown	12.1	11.8	9.7	12.3	13.3
Bachelor's in same field as doctorate (%)[b]	52.4	49.7	56.5	45.6	56.0
Master's earned (%)	84.1	87.1	87.1	84.3	81.3
Age at doctorate (median years)	34.2	33.9	34.1	33.7	34.7
Time to doctorate (median years)					
From bachelor's	11.0	10.4	10.7	10.7	11.5
From graduate school start	9.2	8.7	9.0	8.9	9.7
Male doctorate recipients (number)	2,697	248	661	659	1,129
Citizenship (%)					
U.S. citizen or permanent resident	79.3	68.1	80.2	81.8	79.9
Temporary visa holder	12.8	20.2	12.9	10.8	12.4
Unknown	7.8	11.7	7.0	7.4	7.7
Marital status (%)					
Never married	23.3	26.6	21.3	24.9	22.8
Married	50.6	42.7	54.0	47.2	52.3
Marriage-like relationship	10.0	12.9	10.3	10.8	8.9
Separated, divorced, widowed	4.0	3.6	3.9	4.4	3.8
Unknown	12.1	14.1	10.4	12.7	12.2
Bachelor's in same field as doctorate (%)[b]	53.8	44.4	59.3	44.0	58.5
Master's earned (%)	83.6	84.7	86.2	83.5	82.0
Age at doctorate (median years)	34.4	34.0	34.3	34.2	34.6
Time to doctorate (median years)					
From bachelor's	11.0	10.2	10.6	10.9	11.3
From graduate school start	9.0	8.7	8.9	9.0	9.7
Female doctorate recipients (number)	2,785	426	520	894	945
Citizenship (%)					
U.S. citizen or permanent resident	79.7	70.7	83.7	85.5	76.2
Temporary visa holder	12.9	21.6	11.7	7.7	14.4
Unknown	7.4	7.7	4.6	6.8	9.4
Marital status (%)					
Never married	26.5	26.3	28.7	25.6	26.1
Married	44.7	45.8	45.4	46.2	42.5
Marriage-like relationship	11.0	10.8	11.9	11.4	10.3
Separated, divorced, widowed	5.9	7.0	5.4	4.8	6.6
Unknown	11.9	10.1	8.7	12.0	14.5
Bachelor's in same field as doctorate (%)[b]	51.1	53.1	53.1	46.8	53.1
Master's earned (%)	84.7	89.0	88.5	84.9	80.6
Age at doctorate (median years)	33.8	33.8	33.8	33.3	34.7

TABLE 66. Statistical profile of doctorate recipients in humanities fields, by sex and field of study: 2014

Characteristic	All humanities fields	Foreign languages and literature	History	Letters	Other humanities
Time to doctorate (median years)					
From bachelor's	11.0	10.6	11.0	10.5	11.9
From graduate school start	9.2	8.9	9.0	8.9	9.7

* = value < 0.05%.

[a] Includes respondents who did not report sex.

[b] A bachelor's degree is counted as "in same field as doctorate" if the fields of study for the doctorate recipient's bachelor's degree and doctorate degree are both in the same major field category of the National Science Foundation's field of study taxonomy, except for engineering and education fields where broad field categories need be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 67. Statistical profile of postgraduation plans of doctorate recipients in humanities fields, by sex and field of study: 2014

Characteristic	All humanities fields	Foreign languages and literature	History	Letters	Other humanities
All doctorate recipients (number)[a]	5,486	676	1,182	1,553	2,075
Postgraduation status (number)[b]					
Definite postgraduation study	444	32	147	92	173
Definite employment	1,937	286	389	609	653
Seeking employment or study	2,039	215	479	542	803
Other[c]	205	27	31	50	97
Definite postgraduation study (%)[d]					
Postdoc fellowship	83.6	D	83.7	D	81.5
Postdoc research associateship	15.5	D	15.0	D	17.3
Other or unknown[e]	0.9	0.0	1.4	0.0	1.2
Definite employment (%)[f]					
Academe	83.3	91.3	77.6	89.7	77.2
Government	2.2	0.0	5.9	0.8	2.1
Industry or business[g]	4.4	D	4.9	D	6.0
Nonprofit organization	5.5	D	5.9	D	11.3
Other or unknown[h]	4.6	5.9	5.7	4.6	3.4
Primary activity[i]					
R&D	9.9	6.1	11.1	9.2	11.4
Teaching	75.5	86.7	72.7	79.1	68.8
Management or administration	8.4	2.5	7.8	8.5	11.1
Professional services	5.0	3.6	7.0	2.6	6.6
Other	1.3	1.1	1.4	0.7	2.1
Secondary activity[i]					
R&D	49.8	57.9	53.0	53.1	41.3
Teaching	11.6	6.8	10.0	11.1	15.0
Management or administration	8.7	7.6	6.2	10.0	9.3
Professional services	5.1	5.8	5.4	4.3	5.4
Other	2.5	1.4	3.0	1.7	3.5
No secondary activity	22.4	20.5	22.4	19.9	25.5
Activity unknown	3.6	2.8	4.9	3.4	3.2
Postgraduation location (%)[k]					
United States[l]	88.2	87.4	87.5	90.9	86.7
New England	8.7	9.1	10.4	7.7	8.4
Middle Atlantic	17.2	17.0	15.1	17.8	18.0
East North Central	13.0	13.5	10.1	14.4	13.4
West North Central	6.0	7.2	5.0	6.4	5.9
South Atlantic	14.2	14.8	16.0	13.6	13.3
East South Central	4.3	4.7	3.9	5.1	3.6
West South Central	7.7	6.0	8.6	8.1	7.4
Mountain	4.5	3.1	4.9	5.1	4.2
Pacific and insular	12.5	11.3	13.4	12.4	12.3
Not in United States	11.6	12.3	12.5	9.0	13.0
Location unknown	0.2	0.3	0.0	0.1	0.4
Male doctorate recipients (number)	2,697	248	661	659	1,129
Postgraduation status (number)[b]					
Definite postgraduation study	225	16	83	39	87
Definite employment	948	103	204	260	381
Seeking employment or study	1,032	81	279	230	442
Other[c]	77	5	11	19	42
Definite postgraduation study (%)[d]					
Postdoc fellowship	80.9	D	80.7	D	75.9

TABLE 67. Statistical profile of postgraduation plans of doctorate recipients in humanities fields, by sex and field of study: 2014

Characteristic	All humanities fields	Foreign languages and literature	History	Letters	Other humanities
Postdoc research associateship	18.7	D	19.3	D	23.0
Other or unknown[e]	0.4	0.0	0.0	0.0	1.1
Definite employment (%)[f]					
Academe	81.0	95.1	75.5	90.8	73.5
Government	2.3	0.0	D	D	2.1
Industry or business[g]	4.9	D	5.9	D	6.8
Nonprofit organization	7.1	0.0	D	D	13.4
Other or unknown[h]	4.7	D	6.4	D	4.2
Primary activity[i]					
R&D	9.6	7.0	8.8	11.7	9.2
Teaching	75.4	89.0	75.6	78.2	69.6
Management or administration	8.7	D	7.8	D	11.4
Professional services	5.3	D	D	D	8.1
Other	1.1	D	D	0.4	1.6
Secondary activity[j]					
R&D	51.0	66.0	55.4	54.0	42.5
Teaching	12.3	7.0	9.8	12.9	14.6
Management or administration	7.6	6.0	6.2	7.7	8.7
Professional services	5.2	7.0	4.7	5.6	4.6
Other	1.9	0.0	1.0	1.2	3.3
No secondary activity	22.1	14.0	22.8	18.5	26.3
Activity unknown	4.0	2.9	5.4	4.6	3.1
Postgraduation location (%)[k]					
United States[l]	87.0	85.7	87.8	89.3	85.3
New England	8.8	10.9	10.1	7.7	8.1
Middle Atlantic	17.0	16.8	15.7	18.4	16.9
East North Central	13.3	11.8	11.1	14.7	14.1
West North Central	5.3	5.0	4.9	4.3	6.2
South Atlantic	13.5	15.1	13.9	12.4	13.5
East South Central	4.6	D	D	5.7	4.1
West South Central	7.2	7.6	8.0	7.7	6.4
Mountain	4.6	D	D	6.4	3.4
Pacific and insular	12.6	9.2	14.6	12.0	12.6
Not in United States	12.9	13.4	12.2	10.7	14.5
Location unknown	0.2	0.8	0.0	0.0	0.2
Female doctorate recipients (number)	2,785	426	520	894	945
Postgraduation status (number)[b]					
Definite postgraduation study	219	16	64	53	86
Definite employment	989	183	185	349	272
Seeking employment or study	1,007	134	200	312	361
Other[c]	128	22	20	31	55
Definite postgraduation study (%)[d]					
Postdoc fellowship	86.3	100.0	87.5	79.2	87.2
Postdoc research associateship	12.3	0.0	9.4	20.8	11.6
Other or unknown[e]	1.4	0.0	3.1	0.0	1.2
Definite employment (%)[f]					
Academe	85.4	89.1	80.0	88.8	82.4
Government	2.0	0.0	D	D	2.2
Industry or business[g]	4.0	2.7	3.8	4.3	4.8
Nonprofit organization	4.0	D	D	2.0	8.5
Other or unknown[h]	4.4	D	4.9	D	2.2

TABLE 67. Statistical profile of postgraduation plans of doctorate recipients in humanities fields, by sex and field of study: 2014

Characteristic	All humanities fields	Foreign languages and literature	History	Letters	Other humanities
Primary activity[i]					
R&D	10.1	5.6	13.6	7.4	14.4
Teaching	75.6	85.4	69.5	79.7	67.7
Management or administration	8.0	D	7.9	D	10.6
Professional services	4.7	D	D	D	4.6
Other	1.6	D	D	0.9	2.7
Secondary activity[j]					
R&D	48.6	53.4	50.3	52.4	39.5
Teaching	10.9	6.7	10.2	9.7	15.6
Management or administration	9.7	8.4	6.2	11.8	10.3
Professional services	5.0	5.1	6.2	3.2	6.5
Other	3.1	2.2	5.1	2.1	3.8
No secondary activity	22.7	24.2	22.0	20.9	24.3
Activity unknown	3.1	2.7	4.3	2.6	3.3
Postgraduation location (%)[k]					
United States[l]	89.4	88.4	87.1	92.0	88.5
New England	8.7	8.0	10.8	7.7	8.7
Middle Atlantic	17.4	17.1	14.5	17.4	19.6
East North Central	12.7	14.6	8.8	14.2	12.6
West North Central	6.8	8.5	5.2	8.0	5.6
South Atlantic	14.9	14.6	18.5	14.4	13.1
East South Central	4.0	D	D	4.7	3.1
West South Central	8.1	5.0	9.2	8.5	8.7
Mountain	4.4	D	D	4.2	5.3
Pacific and insular	12.3	12.6	12.0	12.7	12.0
Not in United States	10.3	11.6	12.9	7.7	10.9
Location unknown	0.2	0.0	0.0	0.2	0.6

D = suppressed to avoid disclosure of confidential information.

[a] Includes respondents who did not report sex.

[b] Includes only respondents who responded to postgraduation status.

[c] Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

[d] Excludes respondents who indicated plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postgraduation plans for study.

[e] "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

[f] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

[g] Includes doctorate recipients who indicated self-employment.

[h] "Other" is mainly composed of elementary and secondary schools.

[i] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

[j] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and secondary work activity.

[k] Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

[l] Includes cases with an unknown U.S region of employment after doctorate; see technical notes for states or territories included in regions.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 68. Statistical profile of doctorate recipients in other fields, by sex and field of study: 2014

Characteristic	All other fields[a]	Business management and administration	Communication	Non-S&E fields not elsewhere classified
All doctorate recipients (number)[b]	3,203	1,583	664	956
Sex (%)				
Male	49.5	57.3	41.9	42.1
Female	50.1	42.3	57.7	57.6
Unknown	0.4	0.4	0.5	0.3
Citizenship (%)				
U.S. citizen or permanent resident	59.9	53.5	71.4	62.4
Temporary visa holder	29.0	37.1	20.6	21.5
Unknown	11.1	9.4	8.0	16.0
Marital status (%)				
Never married	22.4	23.0	26.8	18.4
Married	49.7	52.0	43.8	50.1
Marriage-like relationship	5.2	3.3	10.7	4.6
Separated, divorced, widowed	4.5	4.6	4.4	4.4
Unknown	18.1	17.1	14.3	22.5
Bachelor's in same field as doctorate (%)[c]	36.4	39.2	47.4	24.1
Master's earned (%)	80.7	78.7	86.3	80.0
Age at doctorate (median years)	35.1	34.6	33.4	37.6
Time to doctorate (median years)				
From bachelor's	11.5	10.9	10.4	14.0
From graduate school start	9.2	8.7	8.3	11.3
Male doctorate recipients (number)	1,587	907	278	402
Citizenship (%)				
U.S. citizen or permanent resident	57.4	53.9	72.3	55.0
Temporary visa holder	32.1	37.8	20.5	27.4
Unknown	10.5	8.3	7.2	17.7
Marital status (%)				
Never married	20.3	22.3	22.3	14.4
Married	53.9	56.2	48.6	52.2
Marriage-like relationship	4.6	3.2	9.0	4.7
Separated, divorced, widowed	2.5	2.3	2.9	2.7
Unknown	18.7	16.0	17.3	25.9
Bachelor's in same field as doctorate (%)[c]	36.7	40.1	43.2	24.6
Master's earned (%)	79.3	79.2	84.5	75.9
Age at doctorate (median years)	35.7	34.7	34.5	38.7
Time to doctorate (median years)				
From bachelor's	11.4	10.6	11.0	14.5
From graduate school start	9.0	8.2	8.7	12.2
Female doctorate recipients (number)	1,604	670	383	551
Citizenship (%)				
U.S. citizen or permanent resident	62.8	53.4	71.3	68.2
Temporary visa holder	26.2	36.4	20.9	17.4
Unknown	11.0	10.1	7.8	14.3
Marital status (%)				
Never married	24.7	24.2	30.3	21.4
Married	46.0	46.7	40.7	48.8
Marriage-like relationship	5.9	3.6	12.0	4.5
Separated, divorced, widowed	6.5	7.8	5.5	5.6
Unknown	16.9	17.8	11.5	19.6
Bachelor's in same field as doctorate (%)[c]	36.3	38.2	50.9	23.8
Master's earned (%)	82.6	78.7	88.3	83.5
Age at doctorate (median years)	34.6	34.2	32.5	36.8

TABLE 68. Statistical profile of doctorate recipients in other fields, by sex and field of study: 2014

Characteristic	All other fields[a]	Business management and administration	Communication	Non-S&E fields not elsewhere classified
Time to doctorate (median years)				
From bachelor's	11.6	11.0	10.0	13.3
From graduate school start	9.4	9.0	8.2	11.0

S&E = science and engineering.

[a] Non-science and engineering fields.

[b] Includes respondents who did not report sex.

[c] A bachelor's degree is counted as "in same field as doctorate" if fields of study of doctorate recipient's bachelor's degree and doctorate degree are both in same major field category of National Science Foundation's field of study taxonomy, except for engineering and education fields where broad field categories need be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 69. Statistical profile of postgraduation plans of doctorate recipients in other fields, by sex and field of study: 2014

Characteristic	All other fields[a]	Business management and administration	Communication	Non-S&E fields not elsewhere classified
All doctorate recipients (number)[b]	3,203	1,583	664	956
Postgraduation status (number)[c]				
Definite postgraduation study	121	33	36	52
Definite employment	1,485	869	275	341
Seeking employment or study	748	279	198	271
Other[d]	106	50	21	35
Definite postgraduation study (%)[e]				
Postdoc fellowship	59.5	51.5	52.8	69.2
Postdoc research associateship	36.4	42.4	44.4	26.9
Other or unknown[f]	4.1	6.1	2.8	3.8
Definite employment (%)[g]				
Academe	79.2	81.9	89.1	64.2
Government	4.8	D	D	10.3
Industry or business[h]	10.3	12.0	6.2	9.4
Nonprofit organization	4.4	1.7	2.2	12.9
Other or unknown[i]	1.3	D	D	3.2
Primary activity[j]				
R&D	35.0	44.9	18.1	23.7
Teaching	47.1	41.8	70.3	42.1
Management or administration	10.5	9.3	5.4	17.8
Professional services	6.0	3.4	5.0	13.4
Other	1.3	0.6	1.2	3.1
Secondary activity[k]				
R&D	41.3	39.1	57.1	34.0
Teaching	33.4	42.0	15.4	25.9
Management or administration	6.2	3.7	5.8	12.8
Professional services	4.7	3.3	5.0	7.8
Other	0.8	0.5	1.2	1.2
No secondary activity	13.8	11.4	15.4	18.4
Activity unknown	6.0	6.1	5.8	5.9
Postgraduation location (%)[l]				
United States[m]	88.2	86.9	91.0	88.8
New England	5.4	5.9	4.8	4.6
Middle Atlantic	13.0	12.1	15.8	12.7
East North Central	14.7	14.9	17.7	12.0
West North Central	5.4	5.1	6.8	4.8
South Atlantic	18.1	18.2	14.1	21.1
East South Central	5.1	4.3	6.1	6.1
West South Central	9.8	8.9	10.0	12.0
Mountain	5.5	5.4	4.8	6.4
Pacific and insular	11.1	12.2	10.6	8.9
Not in United States	11.6	12.9	8.7	11.2
Location unknown	0.2	0.2	0.3	0.0
Male doctorate recipients (number)	1,587	907	278	402
Postgraduation status (number)[c]				
Definite postgraduation study	40	17	9	14
Definite employment	779	509	121	149
Seeking employment or study	332	163	74	95
Other[d]	51	24	10	17

TABLE 69. Statistical profile of postgraduation plans of doctorate recipients in other fields, by sex and field of study: 2014

Characteristic	All other fields[a]	Business management and administration	Communication	Non-S&E fields not elsewhere classified
Definite postgraduation study (%)[e]				
Postdoc fellowship	55.0	D	D	64.3
Postdoc research associateship	42.5	D	D	35.7
Other or unknown[f]	2.5	5.9	0.0	0.0
Definite employment (%)[g]				
Academe	79.6	83.5	86.8	60.4
Government	3.9	D	D	10.1
Industry or business[h]	11.3	11.4	9.9	12.1
Nonprofit organization	4.1	D	D	14.1
Other or unknown[i]	1.2	D	D	3.4
Primary activity[j]				
R&D	36.7	47.8	20.9	10.9
Teaching	45.9	40.5	66.4	48.6
Management or administration	9.8	8.4	5.5	18.1
Professional services	6.3	2.7	6.4	18.8
Other	1.2	0.6	0.9	3.6
Secondary activity[k]				
R&D	40.2	39.2	51.8	34.1
Teaching	36.3	44.1	17.3	24.6
Management or administration	5.8	3.1	7.3	13.8
Professional services	4.4	3.3	6.4	6.5
Other	0.3	0.2	0.9	0.0
No secondary activity	13.1	10.0	16.4	21.0
Activity unknown	6.7	5.9	9.1	7.4
Postgraduation location (%)[l]				
United States[m]	86.9	87.3	92.3	81.6
New England	5.3	5.7	D	D
Middle Atlantic	13.1	12.4	16.2	12.9
East North Central	13.8	13.7	16.2	12.3
West North Central	5.0	5.3	D	D
South Atlantic	18.3	18.4	17.7	18.4
East South Central	5.4	4.2	6.9	8.0
West South Central	8.9	9.1	8.5	8.6
Mountain	6.5	6.1	6.2	8.0
Pacific and insular	10.7	12.4	10.0	6.1
Not in United States	12.9	12.7	6.9	18.4
Location unknown	0.1	0.0	0.8	0.0
Female doctorate recipients (number)	1,604	670	383	551
Postgraduation status (number)[c]				
Definite postgraduation study	81	16	27	38
Definite employment	706	360	154	192
Seeking employment or study	416	116	124	176
Other[d]	55	26	11	18
Definite postgraduation study (%)[e]				
Postdoc fellowship	61.7	D	D	71.1
Postdoc research associateship	33.3	D	D	23.7
Other or unknown[f]	4.9	6.3	3.7	5.3
Definite employment (%)[g]				
Academe	78.8	79.7	90.9	67.2
Government	5.8	D	D	10.4

TABLE 69. Statistical profile of postgraduation plans of doctorate recipients in other fields, by sex and field of study: 2014

Characteristic	All other fields[a]	Business management and administration	Communication	Non-S&E fields not elsewhere classified
Industry or business[h]	9.2	12.8	3.2	7.3
Nonprofit organization	4.7	D	D	12.0
Other or unknown[i]	1.6	D	D	3.1
Primary activity[j]				
R&D	33.2	40.7	16.1	33.3
Teaching	48.4	43.6	73.2	37.2
Management or administration	11.4	10.7	5.4	17.5
Professional services	5.7	4.5	4.0	9.3
Other	1.3	0.6	1.3	2.7
Secondary activity[k]				
R&D	42.5	38.9	61.1	33.9
Teaching	30.2	39.2	14.1	26.8
Management or administration	6.6	4.5	4.7	12.0
Professional services	4.9	3.3	4.0	8.7
Other	1.3	0.9	1.3	2.2
No secondary activity	14.5	13.4	14.8	16.4
Activity unknown	5.2	6.4	3.2	4.7
Postgraduation location (%)[l]				
United States[m]	89.5	86.4	90.1	93.9
New England	5.5	6.1	D	D
Middle Atlantic	12.8	11.7	15.5	12.6
East North Central	15.6	16.5	18.8	11.7
West North Central	5.7	4.8	D	D
South Atlantic	17.9	17.8	11.6	23.0
East South Central	4.8	4.5	5.5	4.8
West South Central	10.8	8.5	11.0	14.3
Mountain	4.6	4.5	3.9	5.2
Pacific and insular	11.4	12.0	11.0	10.9
Not in United States	10.3	13.0	9.9	6.1
Location unknown	0.3	0.5	0.0	0.0

D = suppressed to avoid disclosure of confidential information.

S&E = science and engineering.

[a] Non-science and engineering fields.

[b] Includes respondents who did not report sex.

[c] Includes only respondents who responded to postgraduation status.

[d] Includes respondents who indicated that they did not plan to work or study, respondents who indicated some other type of postgraduation plans, and respondents who indicated definite plans for other full-time degree program.

[e] Excludes respondents who indicated plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postgraduation plans for study.

[f] "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

[g] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

[h] Includes doctorate recipients who indicated self-employment.

[i] "Other" is mainly composed of elementary and secondary schools.

[j] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

[k] Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and secondary work activity.

[l] Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

[m] Includes cases with an unknown U.S region of employment after doctorate; see technical notes for states or territories included in regions.

NOTE: Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

TABLE 70. Statistical profile of doctorate recipients, by ethnicity, race, and citizenship status: 2014

						Not Hispanic or Latino													
				Hispanic or Latino		American Indian or Alaska Native		Asian		Black or African American		White		One or more race		Other race or race not reported		Ethnicity not reported	
Characteristics	Total[a]	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen
All doctorate recipients (number)	54,070	34,005	15,852	2,196	948	103	6	2,883	10,675	2,167	477	24,824	3,081	876	60	272	124	684	481
Primary source of support (%)[b]																			
Teaching assistantships	20.6	20.0	22.2	18.5	20.0	19.8	0.0	17.2	22.1	11.3	28.4	21.2	22.4	18.6	17.9	19.4	20.7	19.2	22.4
Research or other assistantships or traineeships	32.2	24.1	49.9	18.0	33.2	11.0	D	31.4	55.5	13.6	36.1	24.8	38.8	23.6	D	23.6	28.7	26.6	39.3
Fellowships or grants	27.3	30.5	20.4	37.8	32.1	30.8	D	35.4	16.8	30.5	26.5	29.0	27.6	36.5	D	35.0	28.7	29.1	29.9
Own resources	15.2	20.9	2.8	22.1	2.7	31.9	0.0	12.1	2.5	38.4	4.2	20.4	3.4	18.9	D	16.5	D	21.2	5.6
Employer	3.2	4.4	0.4	3.4	0.8	D	0.0	3.7	0.3	6.2	1.3	4.5	0.5	D	D	D	D	3.9	0.0
Other source	1.5	0.2	4.3	0.2	11.3	D	0.0	0.2	2.7	0.1	3.5	0.2	7.3	D	19.6	D	13.8	0.0	2.8
Postgraduation status (number)[c]																			
Definite postgraduation study	10,697	7,023	3,651	444	216	17	D	583	2,479	282	72	5,411	817	194	D	60	23	32	25
Definite employment	16,442	11,780	4,607	641	301	35	D	830	3,173	712	124	9,134	935	283	D	77	27	68	29
Seeking employment or study	16,413	10,738	5,633	771	336	30	D	1,072	3,991	886	216	7,536	1,021	296	D	83	23	64	25
Other status[d]	2,213	1,556	648	117	28	6	1	234	480	107	17	1,016	108	48	2	17	5	11	7
Postgraduation study plans (%)[e]	39.4	37.4	44.2	40.9	41.8	32.7	D	41.3	43.9	28.4	36.7	37.2	46.6	40.7	D	43.8	46.0	32.0	46.3
Postgraduation employment plans (%)[f]																			
Academe	50.7	54.2	41.7	56.2	58.5	68.6	D	40.4	35.9	51.1	62.1	55.5	52.1	57.6	52.9	37.7	D	52.9	51.7
Government	7.8	8.8	5.3	9.0	10.0	D	0.0	7.3	5.1	14.0	6.5	8.6	4.4	9.2	D	D	D	7.4	3.4
Industry or business[g]	30.9	23.5	49.8	20.3	24.3	14.3	0.0	42.4	56.2	14.6	25.0	22.7	40.7	20.5	35.3	40.3	33.3	22.1	37.9
Nonprofit	5.2	6.3	2.3	6.2	4.7	D	0.0	5.5	2.2	7.0	D	6.3	D	5.7	0.0	D	0.0	4.4	0.0
Other or unknown plans[h]	5.4	7.2	0.9	8.3	2.7	D	0.0	4.3	0.7	13.2	D	6.8	D	7.1	0.0	D	0.0	13.2	6.9
Employment location (%)[i]																			
United States	90.0	97.4	71.3	97.7	52.5	D	D	94.6	75.2	98.6	58.9	97.6	67.9	97.2	D	D	33.3	88.2	55.2
Not United States	9.7	2.5	28.3	2.2	47.5	D	0.0	5.3	24.5	1.0	41.1	2.3	31.8	2.8	64.7	D	51.9	4.4	37.9
Unknown	0.2	0.1	0.4	0.2	0.0	0.0	0.0	0.1	0.3	0.4	0.0	0.1	0.3	0.0	0.0	2.6	14.8	7.4	6.9
Age at doctorate (median years)	31.6	32.0	31.0	32.9	33.2	34.7	33.0	31.4	30.6	35.5	34.7	31.8	31.5	31.5	32.2	32.2	32.8	32.8	30.9

TABLE 70. Statistical profile of doctorate recipients, by ethnicity, race, and citizenship status: 2014

						Not Hispanic or Latino													
				Hispanic or Latino		American Indian or Alaska Native		Asian		Black or African American		White		One or more race		Other race or race not reported		Ethnicity not reported	
Characteristics	Total[a]	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen	U.S. citizen	Non-U.S. citizen
Time to degree (median years)																			
From bachelor's	8.8	9.0	8.3	9.5	9.5	10.7	9.8	9.0	8.0	11.6	10.2	9.0	8.5	8.6	9.5	9.3	9.5	9.2	8.3
From graduate school start	7.3	7.6	7.3	8.0	7.7	9.3	7.3	7.3	7.0	9.7	8.0	7.3	7.7	7.2	8.5	7.7	7.9	8.0	7.3

D = suppressed to avoid disclosure of confidential information.

[a] Totals include 4,213 individuals who did not report their citizenship at the time the doctorate was awarded.

[b] Percentages are based on the number of doctorate recipients who reported a primary source of financial support during graduate school.

[c] Includes only respondents who responded to the postgraduation status question.

[d] Includes respondents who indicated having no plans to work or study, respondents indicating another type of postgraduation plan, and respondents indicating definite plans for another full-time degree program.

[e] Excludes respondents who indicated plans for another full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

[f] Percentages are based on the number of doctorate recipients who reported definite postgraduation plans for employment.

[g] Includes doctorate recipients who indicated self-employment.

[h] "Other" is mainly composed of elementary and secondary schools.

[i] Percentages are based on the number of doctorate recipients who reported definite postgraduation plan for employment and the location of employment.

NOTES: U.S citizen refers to U.S. citizens and permanent residents; Non-U.S. citizen refers to temporary visa holders. Due to rounding, percentages may not sum to 100.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.