

TABLE 55. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2013

Characteristic	All fields	Life	Physical	Social	Engineering	Education	Humanities	Other <sup>d</sup>
		sciences <sup>a</sup>	sciences <sup>b</sup>	sciences <sup>c</sup>				
All doctorate recipients (number) <sup>e</sup>	52,760	12,305	9,290	8,401	8,963	4,944	5,662	3,195
Postgraduation status (number) <sup>f</sup>								
Definite postgraduation study	10,900	3,994	2,861	1,729	1,583	209	388	136
Definite employment	16,766	2,225	2,487	3,042	2,902	2,428	2,074	1,608
Seeking employment or study	15,900	3,937	2,660	2,112	2,954	1,362	2,130	745
Other <sup>g</sup>	1,950	765	244	194	338	154	172	83
Definite postgraduation study (%) <sup>h</sup>								
Postdoc fellowship	51.7	56.6	41.7	68.9	31.4	45.9	80.9	57.4
Postdoc research associateship	45.3	40.3	56.6	25.4	66.7	47.4	15.7	38.2
Other or unknown <sup>i</sup>	3.1	3.1	1.7	5.7	1.9	6.7	3.4	4.4
Definite employment (%) <sup>j</sup>								
Academe	51.8	47.3	32.2	62.0	16.9	59.6	82.7	80.6
Government	7.8	12.9	6.2	12.3	9.7	3.5	2.7	4.7
Industry or business <sup>k</sup>	28.9	27.9	57.7	13.8	70.0	4.4	4.5	8.0
Nonprofit organization	5.4	9.1	2.3	8.3	2.7	5.1	5.1	4.9
Other or unknown <sup>l</sup>	6.1	2.8	1.5	3.5	0.8	27.3	5.0	1.8
Primary activity <sup>m</sup>								
R&D	41.7	43.5	65.4	37.9	74.8	12.4	9.4	35.8
Teaching	35.7	28.4	22.3	38.0	7.6	43.5	76.8	48.4
Management or administration	11.3	12.6	3.4	7.9	6.0	33.0	7.4	9.8
Professional services	9.6	13.0	6.8	15.2	8.7	10.5	4.6	5.3
Other	1.7	2.5	2.1	1.0	3.0	0.7	1.7	0.7
Secondary activity <sup>m</sup>								
R&D	30.1	27.2	20.7	35.5	12.4	29.4	52.3	42.6
Teaching	15.4	12.5	8.2	22.3	7.5	17.3	11.4	34.2
Management or administration	12.8	18.2	12.7	11.6	19.1	10.9	8.1	5.9
Professional services	7.3	9.9	6.9	6.6	7.1	9.6	5.5	5.1
Other	0.8	0.9	1.0	0.3	1.0	0.9	1.2	0.3
No secondary activity	33.6	31.4	50.5	23.7	52.8	31.9	21.6	11.8
Activity unknown	5.7	6.5	5.4	6.0	5.6	5.2	5.4	6.4
Postgraduation location (%) <sup>n</sup>								
United States <sup>o</sup>	89.1	91.0	87.4	86.9	88.3	95.1	90.0	84.7
New England	8.3	9.3	9.3	8.9	8.0	4.1	9.3	5.8
Middle Atlantic	12.6	12.5	12.7	13.5	10.8	9.8	17.2	12.6
East North Central	12.3	11.2	11.4	12.5	11.4	15.3	13.4	14.9
West North Central	5.4	6.7	3.2	5.3	3.7	9.1	5.8	5.6
South Atlantic	16.3	18.4	12.7	18.3	13.0	21.1	15.4	17.3
East South Central	3.8	3.7	2.3	3.4	2.8	8.6	4.7	4.2
West South Central	7.6	7.0	6.3	7.0	8.7	9.9	7.5	9.2
Mountain	5.5	4.7	5.8	4.3	6.0	8.2	5.3	5.6
Pacific and insular	17.0	17.2	23.5	13.4	23.7	8.9	11.3	9.2
Not in United States	10.8	8.8	12.5	13.0	11.6	4.7	9.9	15.0
Location unknown	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2
Male doctorate recipients (number)	28,353	5,495	6,589	3,419	6,910	1,575	2,760	1,605
Postgraduation status (number) <sup>f</sup>								
Definite postgraduation study	6,034	1,912	2,067	576	1,197	57	167	58
Definite employment	9,248	916	1,822	1,427	2,328	824	1,069	862
Seeking employment or study	8,238	1,676	1,801	830	2,196	391	1,017	327
Other <sup>g</sup>	1,010	367	163	64	263	41	67	45
Definite postgraduation study (%) <sup>h</sup>								
Postdoc fellowship	47.5	55.1	42.1	65.5	30.2	57.9	79.6	63.8
Postdoc research associateship	50.2	42.2	56.1	30.7	68.3	36.8	16.8	34.5
Other or unknown <sup>i</sup>	2.3	2.8	1.8	3.8	1.5	5.3	3.6	1.7

TABLE 55. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2013

Characteristic	All fields	Life	Physical	Social	Engineering	Education	Humanities	Other <sup>d</sup>
		sciences <sup>a</sup>	sciences <sup>b</sup>	sciences <sup>c</sup>				
Definite employment (%) <sup>j</sup>								
Academe	45.5	41.4	29.0	63.4	16.2	56.7	80.8	79.4
Government	8.5	13.2	6.2	14.2	10.1	4.4	3.0	5.5
Industry or business <sup>k</sup>	37.2	35.3	61.1	12.8	70.4	5.2	5.2	9.5
Nonprofit organization	4.4	7.5	2.4	6.9	2.6	4.6	5.6	4.5
Other or unknown <sup>l</sup>	4.4	2.6	1.3	2.8	0.6	29.1	5.3	1.2
Primary activity <sup>m</sup>								
R&D	49.9	51.5	68.3	42.3	75.7	12.2	8.4	39.3
Teaching	30.2	21.7	19.1	37.5	7.0	39.8	77.9	44.6
Management or administration	10.0	12.1	3.4	7.7	6.0	40.3	7.7	10.5
Professional services	8.0	12.4	6.9	11.5	8.3	7.0	4.2	4.5
Other	2.0	2.3	2.4	1.0	3.1	0.6	1.8	1.1
Secondary activity <sup>m</sup>								
R&D	27.4	25.2	19.7	35.6	12.2	28.4	53.6	40.1
Teaching	15.1	11.9	8.2	25.5	7.2	19.6	10.8	37.8
Management or administration	13.4	19.8	12.8	10.6	19.8	10.3	7.1	6.5
Professional services	6.9	10.7	6.3	6.2	7.1	10.2	4.7	4.1
Other	0.9	1.1	1.0	0.4	1.0	0.8	1.6	0.4
No secondary activity	36.3	31.2	52.0	21.8	52.6	30.6	22.1	11.1
Activity unknown	6.1	9.5	5.6	5.8	5.7	4.9	5.8	7.0
Postgraduation location (%) <sup>n</sup>								
United States <sup>o</sup>	87.2	89.8	87.0	81.3	88.0	92.8	89.2	81.7
New England	8.1	9.6	8.7	7.9	7.7	4.1	8.7	6.4
Middle Atlantic	12.3	11.7	13.0	12.7	11.0	9.4	16.7	12.4
East North Central	12.0	10.4	11.8	11.8	11.7	15.7	13.0	14.2
West North Central	5.0	7.6	3.0	5.4	3.6	8.3	5.7	5.1
South Atlantic	15.0	17.4	12.2	17.6	12.3	21.5	15.5	16.8
East South Central	3.4	3.6	2.3	3.5	2.8	8.3	5.0	3.6
West South Central	7.5	6.8	6.3	6.7	8.7	9.4	7.8	9.3
Mountain	5.5	4.7	5.6	3.9	6.2	8.9	5.7	4.9
Pacific and insular	18.2	17.5	24.1	11.3	23.9	7.3	10.8	8.6
Not in United States	12.7	10.1	13.0	18.6	11.9	7.0	10.8	18.2
Location unknown	0.1	0.1	0.1	0.1	0.2	0.1	0.0	0.1
Female doctorate recipients (number)	24,396	6,807	2,698	4,981	2,051	3,369	2,901	1,589
Postgraduation status (number) <sup>f</sup>								
Definite postgraduation study	4,866	2,082	794	1,153	386	152	221	78
Definite employment	7,517	1,309	664	1,615	574	1,604	1,005	746
Seeking employment or study	7,662	2,261	859	1,282	758	971	1,113	418
Other <sup>g</sup>	940	398	81	130	75	113	105	38
Definite postgraduation study (%) <sup>h</sup>								
Postdoc fellowship	56.8	58.0	40.7	70.7	35.0	41.4	81.9	52.6
Postdoc research associateship	39.2	38.6	57.8	22.7	61.9	51.3	14.9	41.0
Other or unknown <sup>i</sup>	4.0	3.4	1.5	6.6	3.1	7.2	3.2	6.4
Definite employment (%) <sup>j</sup>								
Academe	59.6	51.5	40.8	60.7	19.5	61.2	84.8	82.0
Government	7.0	12.6	6.3	10.7	7.8	3.0	2.4	3.9
Industry or business <sup>k</sup>	18.6	22.8	48.6	14.8	67.9	4.1	3.7	6.3
Nonprofit organization	6.6	10.2	2.3	9.7	3.1	5.4	4.5	5.2
Other or unknown <sup>l</sup>	8.2	2.9	2.0	4.1	1.6	26.4	4.7	2.5
Primary activity <sup>m</sup>								
R&D	31.7	38.3	57.6	33.9	71.2	12.5	10.5	31.9
Teaching	42.5	32.7	31.2	38.4	10.1	45.4	75.7	52.6
Management or administration	12.8	12.9	3.3	8.0	5.9	29.2	7.1	9.0
Professional services	11.6	13.4	6.6	18.5	10.3	12.3	5.0	6.3

TABLE 55. Statistical profile of postgraduation plans of doctorate recipients, by sex and broad field of study: 2013

Characteristic	Life		Physical	Social	Engineering	Education	Humanities	Other <sup>d</sup>
	All fields	sciences <sup>a</sup>	sciences <sup>b</sup>	sciences <sup>c</sup>				
Other	1.4	2.6	1.3	1.1	2.6	0.7	1.7	0.3
Secondary activity <sup>m</sup>								
R&D	33.4	28.5	23.3	35.5	13.6	29.9	51.0	45.4
Teaching	15.8	12.9	8.4	19.4	8.4	16.1	11.9	30.2
Management or administration	12.1	17.1	12.5	12.5	16.3	11.2	9.0	5.3
Professional services	7.9	9.3	8.4	7.1	7.0	9.3	6.4	6.3
Other	0.7	0.8	0.9	0.3	0.9	0.9	0.7	0.3
No secondary activity	30.2	31.5	46.5	25.4	53.8	32.5	20.9	12.7
Activity unknown	5.3	4.4	4.8	6.1	5.1	5.4	5.0	5.8
Postgraduation location (%) <sup>n</sup>								
United States <sup>o</sup>	91.4	92.0	88.6	91.0	89.4	96.2	90.8	88.1
New England	8.6	9.1	11.1	9.6	9.2	4.2	9.9	5.2
Middle Atlantic	13.0	13.1	12.1	14.1	10.2	10.0	17.7	12.9
East North Central	12.7	11.9	10.3	13.0	10.4	15.1	13.7	15.5
West North Central	5.9	5.9	3.7	5.2	4.3	9.5	5.9	6.2
South Atlantic	18.0	19.3	14.2	18.8	15.5	21.0	15.3	17.8
East South Central	4.3	3.8	2.5	3.3	2.9	8.7	4.4	5.0
West South Central	7.7	7.1	6.4	7.2	8.4	10.1	7.3	9.0
Mountain	5.4	4.7	6.2	4.5	4.9	7.9	4.8	6.3
Pacific and insular	15.6	17.0	21.9	15.0	23.3	9.7	11.7	10.0
Not in United States	8.4	7.8	11.3	9.0	10.6	3.5	9.0	11.5
Location unknown	0.2	0.2	0.1	*	0.0	0.3	0.2	0.4

\* = value < 0.05%.

<sup>a</sup> Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.

<sup>b</sup> Includes mathematics and computer and information sciences.

<sup>c</sup> Includes psychology.

<sup>d</sup> Non-science and engineering fields not shown separately.

<sup>e</sup> Includes respondents who did not report sex.

<sup>f</sup> Includes only respondents who responded to postgraduation status.

<sup>g</sup> 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.

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

<sup>i</sup> "Other" includes respondents who indicated definite postgraduation study plans for traineeship, internship or clinical residency, or other study.

<sup>j</sup> Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.

<sup>k</sup> Includes doctorate recipients who indicated self-employment.

<sup>l</sup> "Other" is mainly composed of elementary and secondary schools.

<sup>m</sup> Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary work activity.

<sup>n</sup> Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.

<sup>o</sup> 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, 2013.