

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 ^f	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.