

TABLE 59. Statistical profile of postgraduation plans of doctorate recipients in physical sciences fields, by sex and field of study: 2013

Characteristic	All physical sciences fields	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy
All doctorate recipients (number) ^a	9,290	2,491	1,897	880	1,817	2,205
Postgraduation status (number) ^b						
Definite postgraduation study	2,861	880	267	343	511	860
Definite employment	2,487	471	857	183	574	402
Seeking employment or study	2,660	799	483	235	463	680
Other ^c	244	62	53	24	56	49
Definite postgraduation study (%) ^d						
Postdoc fellowship	41.7	42.7	32.6	43.1	53.4	35.9
Postdoc research associateship	56.6	55.9	65.9	56.3	45.6	60.9
Other or unknown ^e	1.7	1.4	1.5	0.6	1.0	3.1
Definite employment (%) ^f						
Academe	32.2	24.4	25.3	39.9	52.8	22.9
Government	6.2	6.8	4.6	15.8	4.4	7.5
Industry or business ^g	57.7	65.8	66.2	37.7	39.0	66.2
Nonprofit organization	2.3	1.3	2.7	3.3	2.4	2.2
Other or unknown ^h	1.5	1.7	1.3	3.3	1.4	1.2
Primary activity ^j						
R&D	65.4	65.5	77.5	54.7	48.5	69.3
Teaching	22.3	20.4	13.7	25.9	41.2	13.6
Management or administration	3.4	5.8	3.2	4.7	1.6	2.6
Professional services	6.8	6.5	3.0	11.8	7.6	11.8
Other	2.1	1.8	2.5	2.9	1.1	2.6
Secondary activity ^j						
R&D	20.7	14.3	14.4	30.6	35.3	15.7
Teaching	8.2	3.1	9.4	10.0	12.5	5.0
Management or administration	12.7	20.6	11.5	14.1	8.3	11.8
Professional services	6.9	7.8	5.1	8.8	8.0	7.1
Other	1.0	0.9	1.2	0.0	1.1	0.8
No secondary activity	50.5	53.2	58.4	36.5	34.9	59.6
Activity unknown	5.4	5.1	6.5	7.1	3.7	5.2
Postgraduation location (%) ^j						
United States ^k	87.4	91.1	92.0	86.9	83.1	83.3
New England	9.3	10.4	8.5	9.1	8.3	9.9
Middle Atlantic	12.7	13.3	13.1	6.1	14.6	13.0
East North Central	11.4	13.7	7.5	4.2	15.0	12.1
West North Central	3.2	4.7	1.9	3.0	4.2	1.7
South Atlantic	12.7	14.8	11.7	13.7	13.2	10.5
East South Central	2.3	2.5	1.8	2.3	2.6	2.5
West South Central	6.3	6.3	4.4	14.3	5.6	5.3
Mountain	5.8	5.3	2.7	12.5	4.1	7.6
Pacific and insular	23.5	19.8	40.3	21.7	15.2	20.3
Not in United States	12.5	8.9	7.8	13.1	16.8	16.7
Location unknown	0.1	0.0	0.2	0.0	0.1	0.0
Male doctorate recipients (number)	6,589	1,502	1,549	498	1,290	1,750
Postgraduation status (number) ^b						
Definite postgraduation study	2,067	566	226	196	396	683
Definite employment	1,822	289	719	112	379	323
Seeking employment or study	1,801	438	371	121	330	541
Other ^c	163	33	44	11	39	36

TABLE 59. Statistical profile of postgraduation plans of doctorate recipients in physical sciences fields, by sex and field of study: 2013

Characteristic	All physical sciences fields	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy
Definite postgraduation study (%) ^d						
Postdoc fellowship	42.1	44.7	31.4	40.3	55.3	36.3
Postdoc research associateship	56.1	53.7	67.3	59.2	44.2	60.3
Other or unknown ^e	1.8	1.6	1.3	0.5	0.5	3.4
Definite employment (%) ^f						
Academe	29.0	21.5	23.4	34.8	49.9	22.0
Government	6.2	6.6	D	D	4.5	7.4
Industry or business ^g	61.1	69.9	68.0	42.9	41.7	66.9
Nonprofit organization	2.4	D	D	D	2.4	D
Other or unknown ^h	1.3	D	1.0	2.7	1.6	D
Primary activity ^j						
R&D	68.3	70.6	78.4	60.8	48.6	70.1
Teaching	19.1	15.1	12.6	16.7	39.9	12.7
Management or administration	3.4	6.6	D	D	D	3.2
Professional services	6.9	5.1	D	D	8.7	11.0
Other	2.4	2.6	2.4	D	D	2.9
Secondary activity ^j						
R&D	19.7	15.1	14.1	26.5	34.2	16.6
Teaching	8.2	D	8.5	11.8	12.8	D
Management or administration	12.8	20.6	11.8	16.7	8.2	12.3
Professional services	6.3	D	5.4	5.9	7.7	D
Other	1.0	1.1	1.0	0.0	1.1	1.0
No secondary activity	52.0	52.2	59.2	39.2	36.1	59.1
Activity unknown	5.6	5.9	6.5	8.9	3.4	4.6
Postgraduation location (%) ^j						
United States ^k	87.0	90.8	91.3	88.0	81.2	83.9
New England	8.7	8.8	8.0	8.1	8.0	9.8
Middle Atlantic	13.0	13.6	12.7	5.5	15.5	13.1
East North Central	11.8	15.3	7.5	4.5	14.6	12.7
West North Central	3.0	4.3	D	D	4.1	1.6
South Atlantic	12.2	14.6	11.5	14.6	11.6	10.3
East South Central	2.3	2.3	D	D	2.5	2.6
West South Central	6.3	6.4	4.7	15.6	5.8	5.3
Mountain	5.6	5.1	D	D	4.1	7.4
Pacific and insular	24.1	20.0	40.2	20.1	14.8	20.7
Not in United States	13.0	9.2	8.6	12.0	18.7	16.1
Location unknown	0.1	0.0	0.1	0.0	0.1	0.0
Female doctorate recipients (number)	2,698	987.0	348.0	381.0	527.0	455.0
Postgraduation status (number) ^b						
Definite postgraduation study	794	314.0	41.0	147.0	115.0	177.0
Definite employment	664	181.0	138.0	71.0	195.0	79.0
Seeking employment or study	859	361.0	112.0	114.0	133.0	139.0
Other ^c	81	29.0	9.0	13.0	17.0	13.0
Definite postgraduation study (%) ^d						
Postdoc fellowship	40.7	39.2	39.0	46.9	47.0	34.5
Postdoc research associateship	57.8	59.9	58.5	52.4	50.4	63.3
Other or unknown ^e	1.5	1.0	2.4	0.7	2.6	2.3
Definite employment (%) ^f						
Academe	40.8	29.3	35.5	47.9	58.5	26.6
Government	6.3	7.2	D	D	4.1	7.6

TABLE 59. Statistical profile of postgraduation plans of doctorate recipients in physical sciences fields, by sex and field of study: 2013

Characteristic	All physical sciences fields	Chemistry	Computer and information sciences	Geosciences	Mathematics	Physics and astronomy
Industry or business ^g	48.6	59.7	56.5	29.6	33.8	63.3
Nonprofit organization	2.3	D	D	D	2.6	D
Other or unknown ^h	2.0	D	2.9	4.2	1	D
Primary activity ⁱ						
R&D	57.6	57.7	72.9	45.6	48.1	65.8
Teaching	31.2	28.6	19.4	39.7	43.9	17.8
Management or administration	3.3	4.6	D	D	D	0
Professional services	6.6	8.6	D	D	5.3	15.1
Other	1.3	0.6	3.1	D	D	1.4
Secondary activity ⁱ						
R&D	23.3	13.1	15.5	36.8	37.4	12.3
Teaching	8.4	D	14	7.4	11.8	D
Management or administration	12.5	20.6	10.1	10.3	8.6	9.6
Professional services	8.4	D	3.9	13.2	8.6	D
Other	0.9	0.6	2.3	0	1.1	0
No secondary activity	46.5	54.9	54.3	32.4	32.6	61.6
Activity unknown	4.8	3.3	6.5	4.2	4.1	7.6
Postgraduation location (%) ^j						
United States ^k	88.6	91.9	95.5	85.3	88.1	80.9
New England	11.1	13.3	10.6	10.6	9	10.2
Middle Atlantic	12.1	12.9	15.1	6.9	12.3	12.5
East North Central	10.3	10.9	7.3	3.7	16.1	9.8
West North Central	3.7	5.5	D	D	4.5	2.3
South Atlantic	14.2	15.2	12.8	12.4	17.1	11.3
East South Central	2.5	2.8	D	D	2.9	2
West South Central	6.4	6.1	3.4	12.4	5.2	5.5
Mountain	6.2	5.5	D	D	4.2	8.6
Pacific and insular	21.9	19.4	40.8	23.9	16.1	18.8
Not in United States	11.3	8.1	3.9	14.7	11.9	19.1
Location unknown	0.1	0.0	0.6	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 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 and type of plans.

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

NOTES: Due to rounding, percentages may not sum to 100. 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, 2013.