

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

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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 ^j						
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.