

Table 61. Statistical profile of postgraduation plans of doctorate recipients in mathematics and computer sciences fields, by sex and field of study: 2016

Characteristic	All mathematics and computer sciences fields	Computer and information sciences	Mathematics and statistics
All doctorate recipients (number) ^a	3,957	2,085	1,872
Postgraduation status (number) ^b			
Definite postgraduation study	743	247	496
Definite employment	1,587	965	622
Seeking employment or study	1,013	518	495
Other ^c	155	96	59
Definite postgraduation study (%) ^d			
Postdoc fellowship	42.9	29.1	49.8
Postdoc research associateship	54.9	68.4	48.2
Other or unknown ^e	2.2	2.4	2.0
Definite employment (%) ^f			
Academe	31.9	25.9	41.3
Government	3.6	3.1	4.3
Industry or business ^g	59.5	65.6	50.2
Nonprofit organization	2.8	3.3	1.9
Other or unknown ^h	2.1	2.1	2.3
Primary activity ⁱ			
R&D	63.6	72.4	50.4
Teaching	24.8	16.9	36.5
Management or administration	3.0	3.6	2.1
Professional services	5.3	3.6	7.8
Other	3.3	3.5	3.1
Secondary activity ^j			
R&D	21.8	16.7	29.6
Teaching	8.9	10.5	6.6
Management or administration	9.0	9.7	8.0
Professional services	6.4	5.8	7.3
Other	1.5	1.0	2.3
No secondary activity	52.3	56.3	46.3
Activity unknown	9.7	11.1	7.6
Postgraduation location (%) ^k			
United States ^l	89.7	91.7	87.4
New England	7.2	6.3	8.1
Middle Atlantic	15.0	13.8	16.3
East North Central	9.7	7.4	12.3
West North Central	3.4	2.6	4.2
South Atlantic	12.9	10.1	15.8
East South Central	1.8	1.6	2.1
West South Central	5.6	5.1	6.2
Mountain	4.0	3.4	4.7
Pacific and insular	29.9	41.4	17.4
Not in United States	10.2	8.0	12.5
Location unknown	0.2	0.2	0.1
Male doctorate recipients (number)	2,998	1,666	1,332

Table 61. Statistical profile of postgraduation plans of doctorate recipients in mathematics and computer sciences fields, by sex and field of study: 2016

Characteristic	All mathematics and computer sciences fields	Computer and information sciences	Mathematics and statistics
Postgraduation status (number) ^b			
Definite postgraduation study	577	202	375
Definite employment	1,210	788	422
Seeking employment or study	770	406	364
Other ^c	108	71	37
Definite postgraduation study (%) ^d			
Postdoc fellowship	42.3	31.2	48.3
Postdoc research associateship	56.3	67.3	50.4
Other or unknown ^e	1.4	1.5	1.3
Definite employment (%) ^f			
Academe	28.6	23.5	38.2
Government	3.6	3.0	4.5
Industry or business ^g	63.1	68.4	53.1
Nonprofit organization	2.9	D	D
Other or unknown ^h	1.9	D	D
Primary activity ⁱ			
R&D	67.1	74.2	54.2
Teaching	21.7	15.0	33.9
Management or administration	3.0	3.6	1.8
Professional services	4.5	3.4	6.5
Other	3.7	3.7	3.6
Secondary activity ^j			
R&D	19.5	15.5	26.8
Teaching	8.6	9.6	6.8
Management or administration	9.1	9.7	8.1
Professional services	6.5	6.0	7.3
Other	1.5	0.9	2.6
No secondary activity	54.8	58.4	48.4
Activity unknown	10.5	11.3	9.0
Postgraduation location (%) ^k			
United States ^l	89.3	91.9	86.1
New England	6.9	6.6	7.3
Middle Atlantic	14.4	13.0	16.1
East North Central	9.8	7.3	12.9
West North Central	3.0	D	D
South Atlantic	11.9	9.7	14.7
East South Central	1.7	D	D
West South Central	5.5	5.1	6.0
Mountain	3.9	3.4	4.5
Pacific and insular	32.1	43.1	18.4
Not in United States	10.5	7.8	13.8
Location unknown	0.2	0.3	0.1
Female doctorate recipients (number)	959	419	540

Table 61. Statistical profile of postgraduation plans of doctorate recipients in mathematics and computer sciences fields, by sex and field of study: 2016

Characteristic	All mathematics and computer sciences fields	Computer and information sciences	Mathematics and statistics
Postgraduation status (number) ^b			
Definite postgraduation study	166	45	121
Definite employment	377	177	200
Seeking employment or study	243	112	131
Other ^c	47	25	22
Definite postgraduation study (%) ^d			
Postdoc fellowship	45.2	20.0	54.5
Postdoc research associateship	50.0	73.3	41.3
Other or unknown ^e	4.8	6.7	4.1
Definite employment (%) ^f			
Academe	42.7	36.7	48.0
Government	3.7	3.4	4.0
Industry or business ^g	48.3	53.1	44.0
Nonprofit organization	2.4	D	D
Other or unknown ^h	2.9	D	D
Primary activity ⁱ			
R&D	52.6	64.2	42.9
Teaching	34.3	25.2	41.9
Management or administration	3.1	3.8	2.6
Professional services	7.7	4.4	10.5
Other	2.3	2.5	2.1
Secondary activity ^j			
R&D	29.1	22.0	35.1
Teaching	10.0	14.5	6.3
Management or administration	8.6	9.4	7.9
Professional services	6.3	5.0	7.3
Other	1.7	1.9	1.6
No secondary activity	44.3	47.2	41.9
Activity unknown	7.2	10.2	4.5
Postgraduation location (%) ^k			
United States ^l	90.8	91.0	90.7
New England	8.1	5.0	10.3
Middle Atlantic	16.9	17.1	16.8
East North Central	9.6	8.1	10.6
West North Central	4.6	D	D
South Atlantic	16.0	12.2	18.7
East South Central	2.2	D	D
West South Central	6.1	5.4	6.5
Mountain	4.2	3.2	5.0
Pacific and insular	22.7	33.8	15.0
Not in United States	9.2	9.0	9.3
Location unknown	0.0	0.0	0.0

D = suppressed to avoid disclosure of confidential information.

Table 61. Statistical profile of postgraduation plans of doctorate recipients in mathematics and computer sciences fields, by sex and field of study: 2016

^a Includes respondents who did not report sex.

^b Includes only respondents who reported 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.

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: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2016.