

Table 67

Statistical profile of postgraduation plans of doctorate recipients in education fields, by sex and field of doctorate: 2019

(Number and percent)

Characteristic	All education fields	Education administration	Education research	Teacher education	Teaching fields	Other education
All doctorate recipients (number) ^a	4,635	839	2,303	104	960	429
Postgraduation status (number) ^b						
Definite postgraduation study	282	14	177	D	63	D
Definite employment	2,783	557	1,370	D	567	D
Seeking employment or study	1,025	155	509	29	251	81
Other ^c	127	24	59	5	26	13
Definite postgraduation study (%) ^d						
Postdoc fellowship or research associateship	91.8	64.3	92.1	D	95.2	D
Other or unknown ^e	8.2	35.7	7.9	0.0	4.8	4.0
Definite employment (%) ^f						
Academe	57.5	41.3	60.9	50.0	67.2	54.3
Government	4.3	5.4	4.2	D	3.2	D
Industry or business ^g	5.7	3.8	7.6	D	3.4	D
Nonprofit organization	7.1	6.1	7.9	D	4.9	D
Other or unknown ^h	25.4	43.4	19.4	34.8	21.3	24.2
Primary activity ⁱ						
R&D	13.1	5.4	17.2	D	10.6	D
Teaching	42.6	23.5	38.1	64.5	69.7	41.6
Management or administration	32.5	63.3	28.8	21.0	13.9	31.8
Professional services	11.3	7.7	15.8	D	5.1	D
Other	0.4	0.2	0.2	1.6	0.7	1.4
Secondary activity ^j						
R&D	27.0	13.5	28.0	32.3	39.4	20.1
Teaching	19.2	19.4	20.6	8.1	17.0	19.2
Management or administration	9.8	8.7	10.0	D	D	12.1
Professional services	8.2	11.2	8.1	D	D	6.5
Other	0.7	0.8	0.6	1.6	0.5	0.9
No secondary activity	35.1	46.5	32.7	41.9	26.6	41.1
Activity unknown	4.8	6.6	4.7	6.1	3.4	4.0
Postgraduation location (%) ^k						
United States ^l	93.9	97.2	93.6	92.8	91.4	94.4
New England	4.5	5.4	4.2	D	3.8	D
Middle Atlantic	11.0	8.2	10.5	13.0	13.0	14.5
East North Central	14.5	19.1	14.7	10.1	11.1	11.7
West North Central	7.5	7.7	7.0	D	9.5	D
South Atlantic	19.2	15.9	21.2	21.7	17.3	18.1
East South Central	8.1	11.4	7.1	24.6	7.5	3.6
West South Central	11.2	14.7	10.5	8.7	11.0	8.9
Mountain	7.8	8.1	7.5	D	8.3	D
Pacific and insular	9.4	6.1	10.1	D	8.7	D
Not in United States	6.1	2.8	6.3	7.2	8.6	5.6
Location unknown	*	0.0	0.1	0.0	0.0	0.0
Male doctorate recipients (number)	1,422	342	653	20	260	147
Postgraduation status (number) ^b						
Definite postgraduation study	80	D	49	0	21	D
Definite employment	870	D	398	11	158	D
Seeking employment or study	314	69	145	7	60	33

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Characteristic	All education fields	Education administration	Education research	Teacher education	Teaching fields	Other education
Other ^c	34	9	13	2	6	4
Definite postgraduation study (%) ^d						
Postdoc fellowship or research associateship	93.8	D	95.9	0.0	95.2	D
Other or unknown ^e	6.3	50.0	4.1	0.0	4.8	0.0
Definite employment (%) ^f						
Academe	57.6	D	65.8	D	64.6	55.8
Government	4.8	5.8	3.5	D	D	7.8
Industry or business ^g	5.6	2.2	8.5	D	D	D
Nonprofit organization	5.7	4.0	6.8	0.0	4.4	9.1
Other or unknown ^h	26.2	48.7	15.3	36.4	23.4	20.8
Primary activity ⁱ						
R&D	14.1	6.6	20.2	D	9.2	D
Teaching	40.5	19.0	40.3	D	68.6	D
Management or administration	36.1	69.2	26.8	D	15.7	D
Professional services	9.1	4.7	12.7	0.0	6.5	9.6
Other	0.2	0.5	0.0	0.0	0.0	1.4
Secondary activity ^j						
R&D	27.8	13.3	31.6	D	41.2	D
Teaching	21.5	21.3	23.6	D	17.6	D
Management or administration	10.3	8.5	10.6	D	D	12.3
Professional services	7.2	10.0	6.6	D	D	D
Other	0.5	0.9	0.0	0.0	0.7	1.4
No secondary activity	32.8	46.0	27.6	18.2	24.2	42.5
Activity unknown	5.2	6.6	5.3	0.0	3.2	5.2
Postgraduation location (%) ^k						
United States ^l	91.6	96.1	90.2	100.0	88.8	91.6
New England	4.0	4.8	4.0	0.0	D	D
Middle Atlantic	10.4	10.0	10.1	0.0	11.7	12.0
East North Central	13.9	16.5	14.3	D	10.1	D
West North Central	6.8	7.4	6.0	D	D	D
South Atlantic	17.6	13.9	20.6	45.5	15.6	12.0
East South Central	8.2	11.3	6.7	D	8.9	D
West South Central	10.7	13.5	8.7	0.0	11.7	13.3
Mountain	8.7	10.4	6.3	0.0	12.3	10.8
Pacific and insular	9.9	7.4	12.1	0.0	5.6	15.7
Not in United States	8.4	3.9	9.8	0.0	11.2	8.4
Location unknown	0.0	0.0	0.0	0.0	0.0	0.0
Female doctorate recipients (number)	3,213	497	1,650	84	700	282
Postgraduation status (number) ^b						
Definite postgraduation study	202	D	128	D	42	19
Definite employment	1,913	D	972	D	409	146
Seeking employment or study	711	86	364	22	191	48
Other ^c	93	15	46	3	20	9

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(Number and percent)

Characteristic	All education fields	Education administration	Education research	Teacher education	Teaching fields	Other education
Definite postgraduation study (%) ^d						
Postdoc fellowship or research associateship	91.1	D	90.6	D	95.2	94.7
Other or unknown ^e	8.9	30.0	9.4	0.0	4.8	5.3
Definite employment (%) ^f						
Academe	57.4	D	59.0	D	68.2	53.4
Government	4.1	5.1	4.4	D	D	D
Industry or business ^g	5.7	4.8	7.2	D	D	4.1
Nonprofit organization	7.7	7.6	8.3	D	5.1	D
Other or unknown ^h	25.0	39.9	21.1	34.5	20.5	26.0
Primary activity ⁱ						
R&D	12.7	4.5	16.0	D	11.1	D
Teaching	43.6	26.5	37.1	D	70.1	D
Management or administration	30.9	59.2	29.6	D	13.2	D
Professional services	12.3	9.7	17.0	D	4.6	D
Other	0.5	0.0	0.2	2.0	1.0	1.4
Secondary activity ^j						
R&D	26.6	13.6	26.6	D	38.7	D
Teaching	18.2	18.1	19.4	D	16.7	D
Management or administration	9.6	8.7	9.7	11.8	9.1	12.1
Professional services	8.7	12.0	8.7	D	7.3	D
Other	0.8	0.6	0.9	2.0	0.5	0.7
No secondary activity	36.1	46.9	34.8	47.1	27.6	40.4
Activity unknown	4.6	6.6	4.4	7.3	3.4	3.4
Postgraduation location (%) ^k						
United States ^l	94.9	97.9	95.0	91.4	92.5	95.8
New England	4.7	5.9	4.3	D	D	6.7
Middle Atlantic	11.2	7.0	10.6	15.5	13.5	15.8
East North Central	14.7	20.8	14.9	D	11.5	D
West North Central	7.8	7.9	7.4	D	D	6.1
South Atlantic	19.9	17.3	21.5	17.2	18.0	21.2
East South Central	8.0	11.4	7.3	D	6.9	D
West South Central	11.4	15.5	11.2	10.3	10.6	6.7
Mountain	7.3	6.5	8.0	D	6.7	D
Pacific and insular	9.1	5.3	9.4	D	10.0	D
Not in United States	5.1	2.1	4.9	8.6	7.5	4.2
Location unknown	*	0.0	0.1	0.0	0.0	0.0

* = value between 0.00% and 0.05%; D = suppressed to avoid disclosure of confidential information.

^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 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(s):

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(s):

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