

Table 9-14

Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2021

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education	Education, other
Doctorate recipients reporting postgraduation status (number)	3,277	947	1,068	924	338
Definite postdoctoral training plans	5.8	2.7	7.1	6.3	8.6
Definite employment plans	64.8	74.4	62.5	59.7	59.2
Seeking employment or study	26.7	20.3	27.8	31.5	28.1
Other status ^a	2.7	2.5	2.5	2.5	4.1
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	94.7	96.2	90.8	100.0	93.1
Other training or unknown ^c	5.3	3.8	9.2	0.0	6.9
Definite employment plans (%) ^d					
Academe	54.7	54.3	56.8	56.7	43.0
In tenure track faculty position (%)	28.3	10.2	31.4	45.4	33.7
Not in tenure track position (%)	68.0	86.4	63.9	51.1	65.1
Government	4.3	4.1	4.5	3.1	8.0
Industry or business ^e	7.8	4.3	12.0	6.9	8.5
Nonprofit organization	5.9	5.1	6.1	5.1	10.5
Other or unknown ^f	27.3	32.2	20.5	28.3	30.0
Primary activity ^g					
Research and development	11.3	8.0	12.9	12.7	13.7
Teaching	40.2	18.2	42.6	62.6	45.8
Management or administration	34.8	62.8	23.5	16.8	26.8
Professional services and other	13.6	11.1	21.0	7.9	13.7
Secondary activity ^g					
Research and development	24.7	12.6	27.3	34.8	28.9
Teaching	17.4	18.9	16.4	17.6	15.3
Management or administration	11.4	10.2	14.5	10.8	7.4
Professional services and other	9.1	10.8	9.5	6.8	7.9
No secondary activity	37.5	47.5	32.3	30.1	41.1
Activity unknown	5.9	7.8	5.7	4.2	4.5
Postgraduation location (%) ^h					
United States ⁱ	93.9	95.8	95.2	89.5	95.6
Midwest	19.7	20.5	21.3	18.2	16.2
Northeast	14.9	15.3	11.0	16.4	22.3
South	41.9	45.0	46.2	37.4	30.1
West	16.8	14.4	16.3	17.0	25.8
Outside the United States	6.1	4.2	4.8	10.3	4.4
Location unknown	*	0.0	0.0	0.2	0.0
Postgraduation location in same state as doctorate institution (%)	61.7	70.3	58.0	56.2	60.7
Male doctorate recipients reporting postgraduation status (number)	965	325	318	231	91
Definite postdoctoral training plans	6.2	2.8	9.1	6.5	7.7
Definite employment plans	67.2	73.8	65.4	61.9	62.6
Seeking employment or study	24.5	21.8	23.3	29.4	25.3
Other status ^a	2.2	1.5	2.2	2.2	4.4
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	93.3	100.0	89.7	100.0	85.7

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Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2021

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education	Education, other
Other training or unknown ^c	6.7	0.0	10.3	0.0	14.3
Definite employment plans (%) ^d					
Academe	54.5	51.3	58.7	57.3	45.6
In tenure track faculty position (%)	34.3	11.4	38.5	59.8	42.3
Not in tenure track position (%)	60.9	84.6	54.9	35.4	57.7
Government	4.8	5.0	5.3	D	D
Industry or business ^e	6.2	4.2	9.1	4.2	8.8
Nonprofit organization	7.3	7.5	9.1	D	D
Other or unknown ^f	27.3	32.1	17.8	30.8	33.3
Primary activity ^g					
Research and development	12.4	9.8	D	12.9	D
Teaching	39.4	16.1	45.2	65.5	48.1
Management or administration	37.3	64.3	D	16.5	D
Professional services and other	10.9	9.8	14.2	5.0	19.2
Secondary activity ^g					
Research and development	24.0	12.1	31.0	29.5	34.6
Teaching	18.6	20.1	16.2	20.9	15.4
Management or administration	13.4	11.2	13.7	17.3	11.5
Professional services and other	8.5	9.8	10.2	D	D
No secondary activity	35.6	46.9	28.9	D	D
Activity unknown	5.4	6.7	5.3	2.8	7.0
Postgraduation location (%) ^h					
United States ⁱ	91.2	94.8	92.0	D	D
Midwest	21.0	24.1	21.1	D	D
Northeast	14.5	16.5	9.7	17.7	17.2
South	37.3	37.3	42.6	34.2	25.0
West	17.9	16.5	18.1	12.7	35.9
Outside the United States	8.6	5.2	8.0	D	D
Location unknown	0.1	0.0	0.0	0.6	0.0
Postgraduation location in same state as doctorate institution (%)	58.6	69.5	51.1	48.7	68.8
Female doctorate recipients reporting postgraduation status (number)	2,312	622	750	693	247
Definite postdoctoral training plans	5.6	2.7	6.3	6.2	8.9
Definite employment plans	63.8	74.8	61.2	59.0	57.9
Seeking employment or study	27.6	19.5	29.7	32.2	29.1
Other status ^a	2.9	3.1	2.7	2.6	4.0
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	95.3	94.1	91.5	100.0	95.5
Other training or unknown ^c	4.7	5.9	8.5	0.0	4.5
Definite employment plans (%) ^d					
Academe	54.7	55.9	56.0	56.5	42.0
In tenure track faculty position (%)	25.7	9.6	28.0	40.3	30.0
Not in tenure track position (%)	71.0	87.3	68.1	56.7	68.3
Government	4.1	3.7	4.1	D	D
Industry or business ^e	8.5	4.3	13.3	7.8	8.4
Nonprofit organization	5.4	3.9	4.8	D	D

Table 9-14**Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2021**

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education	Education, other
Other or unknown ^f	27.3	32.3	21.8	27.4	28.7
Primary activity ^g					
Research and development	10.8	7.0	D	12.6	D
Teaching	40.6	19.2	41.4	61.5	44.9
Management or administration	33.8	62.0	D	16.9	D
Professional services and other	14.8	11.7	24.1	9.0	11.6
Secondary activity ^g					
Research and development	25.0	12.9	25.7	36.7	26.8
Teaching	16.9	18.3	16.4	16.4	15.2
Management or administration	10.5	9.6	14.8	8.5	5.8
Professional services and other	9.3	11.3	9.3	D	D
No secondary activity	38.3	47.9	33.8	D	D
Activity unknown	6.1	8.4	5.9	4.6	3.5
Postgraduation location (%) ^h					
United States ⁱ	95.1	96.3	96.6	D	D
Midwest	19.1	18.7	21.3	D	D
Northeast	15.1	14.7	11.7	15.9	24.2
South	43.9	49.0	47.8	38.5	32.1
West	16.3	13.3	15.4	18.6	21.8
Outside the United States	4.9	3.7	3.4	D	D
Location unknown	0.0	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	63.1	70.7	61.3	58.8	57.6

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

^a Includes doctorate recipients reporting: no plans to work or study, some other type of postgraduation plans, or definite plans for other full-time degree program.^b Excludes doctorate recipients reporting plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postdoctoral plans for study.^c Other includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.^d Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.^e Includes doctorate recipients reporting self-employment.^f Other is mainly composed of elementary and secondary schools.^g Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.^h Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.ⁱ Includes cases with an unknown U.S. region of employment after doctorate, thus the percentages by regions will not sum to the value for United States; see the "Technical Notes" for states or territories included in regions.**Note(s):**

Due to rounding, percentages may not sum to 100. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and the new broad, major, and detailed fields were used in tables reporting only the most recent data year. Therefore, the field of doctorate data in 2021 may not be comparable to prior years; see the "Technical Notes" for more information, table A-4 for a summary of SED-CIP codes in the new SED field taxonomy, table A-5 for a full list of SED-CIP codes in the new field taxonomy, and table A-6 for the SED-CIP code crosswalk to the historical field taxonomy.

Source(s):

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