

Table 9-14

## Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education	Education, other
Doctorate recipients reporting postgraduation status (number)	3,421	1,032	1,019	1,001	369
Definite postdoctoral training plans	6.6	3.7	7.5	6.9	11.7
Definite employment plans	68.3	76.8	65.8	64.6	60.7
Seeking employment or study	22.4	16.5	24.4	25.9	23.8
Other status <sup>a</sup>	2.7	3.0	2.2	2.6	3.8
Definite postdoctoral training plans (%) <sup>b</sup>					
Postdoc fellowship or research associateship	95.6	94.7	94.7	98.6	93.0
Other training or unknown <sup>c</sup>	4.4	5.3	5.3	1.4	7.0
Definite employment plans (%) <sup>d</sup>					
Academe	54.2	51.8	52.6	59.2	53.1
In tenure track faculty position (%)	28.9	12.2	30.9	46.2	25.2
Not in tenure track position (%)	68.1	84.7	68.0	49.9	69.7
Government	4.7	4.5	5.1	4.2	5.4
Industry or business <sup>e</sup>	8.2	5.9	13.7	5.4	7.6
Nonprofit organization	7.2	8.8	7.3	5.4	6.3
Other or unknown <sup>f</sup>	25.7	28.9	21.3	25.8	27.7
Primary activity <sup>g</sup>					
Research and development	12.0	6.6	17.6	12.5	13.2
Teaching	40.4	21.4	39.5	63.7	43.8
Management or administration	34.7	60.0	23.5	15.7	32.4
Professional services and other	12.9	12.1	19.5	8.1	10.5
Secondary activity <sup>g</sup>					
Research and development	25.0	14.8	28.0	34.4	25.6
Teaching	16.9	18.1	16.5	16.4	15.1
Management or administration	13.1	13.6	13.7	11.0	15.1
Professional services and other	9.7	9.8	11.0	8.6	8.2
No secondary activity	35.4	43.6	30.8	29.7	36.1
Activity unknown	4.8	3.9	6.7	4.6	2.2
Postgraduation location (%) <sup>h</sup>					
United States <sup>i</sup>	94.2	96.8	93.4	92.2	93.6
Midwest	21.3	25.3	19.8	20.5	15.0
Northeast	14.8	15.5	12.4	16.3	15.4
South	40.3	39.7	45.1	39.7	30.0
West	17.3	15.9	15.3	15.4	32.6
Outside the United States	5.8	3.2	6.6	7.8	6.4
Location unknown	0.0	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	61.7	68.7	57.7	57.8	61.4
Male doctorate recipients reporting postgraduation status (number)	1,010	339	302	271	98
Definite postdoctoral training plans	6.3	2.7	6.6	9.2	10.2
Definite employment plans	71.8	79.6	67.2	67.5	70.4
Seeking employment or study	19.8	14.7	23.5	22.1	19.4
Other status <sup>a</sup>	2.0	2.9	2.3	1.1	0.0
Definite postdoctoral training plans (%) <sup>b</sup>					
Postdoc fellowship or research associateship	96.9	100.0	95.0	100.0	90.0

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(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education	Education, other
Other training or unknown <sup>c</sup>	3.1	0.0	5.0	0.0	10.0
Definite employment plans (%) <sup>d</sup>					
Academe	55.9	51.9	56.2	63.4	50.7
In tenure track faculty position (%)	30.9	14.3	30.7	50.9	31.4
Not in tenure track position (%)	65.7	82.9	66.7	44.8	62.9
Government	4.6	5.2	5.4	D	D
Industry or business <sup>e</sup>	8.0	5.6	14.3	4.4	8.7
Nonprofit organization	6.9	8.1	6.4	D	D
Other or unknown <sup>f</sup>	24.7	29.3	17.7	24.6	27.5
Primary activity <sup>g</sup>					
Research and development	13.5	6.6	21.3	14.2	16.4
Teaching	38.6	20.5	34.0	67.0	46.3
Management or administration	35.9	62.2	26.1	12.5	23.9
Professional services and other	12.0	10.8	18.6	6.3	13.4
Secondary activity <sup>g</sup>					
Research and development	25.4	13.9	30.9	36.4	25.4
Teaching	17.4	20.1	19.1	D	D
Management or administration	12.3	11.2	12.8	11.4	17.9
Professional services and other	9.3	9.3	10.1	D	D
No secondary activity	35.7	45.6	27.1	30.1	35.8
Activity unknown	4.8	4.1	7.4	3.8	2.9
Postgraduation location (%) <sup>h</sup>					
United States <sup>i</sup>	93.0	96.8	92.4	88.9	92.4
Midwest	20.5	25.8	18.8	18.3	12.7
Northeast	15.2	15.4	11.7	18.3	16.5
South	38.8	38.0	42.6	38.5	31.6
West	18.1	17.2	18.4	13.9	31.6
Outside the United States	7.0	3.2	7.6	11.1	7.6
Location unknown	0.0	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	57.3	64.2	56.5	49.5	55.7
Female doctorate recipients reporting postgraduation status (number)	2,411	693	717	730	271
Definite postdoctoral training plans	6.7	4.2	7.8	6.0	12.2
Definite employment plans	66.8	75.5	65.3	63.6	57.2
Seeking employment or study	23.5	17.3	24.8	27.3	25.5
Other status <sup>a</sup>	3.0	3.0	2.1	3.2	5.2
Definite postdoctoral training plans (%) <sup>b</sup>					
Postdoc fellowship or research associateship	95.1	93.1	94.6	97.7	93.9
Other training or unknown <sup>c</sup>	4.9	6.9	5.4	2.3	6.1
Definite employment plans (%) <sup>d</sup>					
Academe	53.5	51.8	51.1	57.5	54.2
In tenure track faculty position (%)	28.0	11.1	31.0	44.2	22.6
Not in tenure track position (%)	69.2	85.6	68.6	52.1	72.6
Government	4.7	4.2	4.9	D	D
Industry or business <sup>e</sup>	8.3	6.1	13.5	5.8	7.1
Nonprofit organization	7.3	9.2	7.7	D	D
Other or unknown <sup>f</sup>	26.2	28.7	22.9	26.3	27.7

**Table 9-14****Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022**

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education	Education, other
Primary activity <sup>g</sup>					
Research and development	11.3	6.6	16.0	11.8	11.8
Teaching	41.3	21.9	41.8	62.4	42.8
Management or administration	34.2	58.8	22.4	17.0	36.2
Professional services and other	13.3	12.7	19.9	8.8	9.2
Secondary activity <sup>g</sup>					
Research and development	24.8	15.3	26.7	33.6	25.7
Teaching	16.6	17.1	15.3	D	D
Management or administration	13.4	14.9	14.2	10.9	13.8
Professional services and other	9.8	10.1	11.4	D	D
No secondary activity	35.3	42.5	32.4	29.5	36.2
Activity unknown	4.7	3.8	6.4	5.0	1.9
Postgraduation location (%) <sup>h</sup>					
United States <sup>i</sup>	94.7	96.7	93.9	93.5	94.1
Midwest	21.6	25.0	20.2	21.5	16.0
Northeast	14.7	15.6	12.8	15.6	14.9
South	40.9	40.6	46.2	40.2	29.3
West	16.9	15.2	13.9	15.9	33.0
Outside the United States	5.3	3.3	6.1	6.5	5.9
Location unknown	0.0	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	63.7	71.0	58.2	61.2	63.8

D = suppressed to avoid disclosure of confidential information.

<sup>a</sup> 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.<sup>b</sup> Excludes doctorate recipients reporting plans for other full-time degree program. Percentages based on number of doctorate recipients reporting definite postdoctoral plans for study.<sup>c</sup> Other includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.<sup>d</sup> Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment.<sup>e</sup> Includes doctorate recipients reporting self-employment.<sup>f</sup> Other is mainly composed of elementary and secondary schools.<sup>g</sup> Percentages based on number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.<sup>h</sup> Percentages based on number of doctorate recipients reporting definite postgraduation plans and type of plans.<sup>i</sup> Includes doctorate recipients 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):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment, while postgraduation employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. 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 new broad, major, and detailed fields are used in tables reporting data from 2021 to the present; see the field list in table A-4. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).

**Source(s):**

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