

TABLE 9-14

Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education and teaching fields	Education, other
Doctorate recipients reporting postgraduation status (number)	3,515	1,055	1,086	1,002	372
Definite postdoctoral training plans	6.5	4.3	6.6	7.9	8.6
Definite employment plans	69.3	77.4	66.3	65.3	65.6
Seeking employment or study	21.6	15.9	24.8	24.0	22.0
Other status ^a	2.6	2.4	2.2	2.9	3.5
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	93.0	93.3	91.7	93.7	93.8
Other training or unknown ^c	7.0	6.7	8.3	6.3	6.3
Definite employment plans (%) ^d					
Academe	51.8	50.7	49.2	56.0	52.0
In tenure track faculty position (%)	27.8	11.4	29.7	44.0	29.9
Not in tenure track position (%)	69.6	87.2	66.7	53.6	66.9
Government	4.4	5.3	4.0	4.3	3.3
Industry or business ^e	9.0	5.1	16.3	6.3	7.4
Nonprofit organization	7.6	6.6	8.9	6.0	11.1
Other or unknown ^f	27.3	32.3	21.7	27.5	26.2
Primary activity ^g					
Research and development	11.7	8.8	15.8	9.9	14.8
Teaching	42.5	24.0	42.0	65.6	44.3
Management or administration	23.3	42.4	15.2	10.4	17.4
Professional services and other	22.5	24.8	27.0	14.2	23.5
Secondary activity ^g					
Research and development	24.4	11.5	25.5	39.1	24.8
Teaching	13.9	15.2	15.6	10.7	13.5
Management or administration	15.5	21.1	13.9	10.0	16.5
Professional services and other	9.1	8.7	11.1	8.5	6.5
No secondary activity	37.0	43.6	33.9	31.7	38.7
Activity unknown	4.5	4.2	4.9	4.1	5.7
Postgraduation location (%) ^h					
United States ⁱ	95.6	97.1	95.2	93.9	97.1
Midwest	22.6	26.0	22.6	19.2	21.4
Northeast	15.0	15.9	12.0	16.4	17.4
South	39.6	40.0	42.4	42.4	22.8
West	17.8	14.8	18.1	15.0	34.1
Outside the United States	4.3	2.9	4.7	6.1	2.5
Location unknown	0.1	0.0	0.1	0.0	0.4
Postgraduation location in same state as doctorate institution (%)	61.8	70.3	57.8	55.3	64.1
Male doctorate recipients reporting postgraduation status (number)	955	353	279	246	77
Definite postdoctoral training plans	6.6	4.5	6.5	8.1	11.7
Definite employment plans	70.4	79.3	65.2	64.6	66.2
Seeking employment or study	20.2	14.2	25.1	24.0	18.2
Other status ^a	2.8	2.0	3.2	3.3	3.9
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	96.8	D	94.4	95.0	D

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Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education and teaching fields	Education, other
Other training or unknown ^c	3.2	D	5.6	5.0	D
Definite employment plans (%) ^d					
Academe	51.8	47.1	48.4	61.6	58.8
In tenure track faculty position (%)	24.1	12.1	27.3	38.8	20.0
Not in tenure track position (%)	72.7	84.1	70.5	59.2	73.3
Government	5.2	D	5.5	4.4	D
Industry or business ^e	8.0	D	17.0	3.8	D
Nonprofit organization	7.3	D	10.4	3.8	D
Other or unknown ^f	27.7	35.4	18.7	26.4	21.6
Primary activity ^g					
Research and development	12.0	10.2	16.7	7.7	18.8
Teaching	37.9	21.5	32.2	71.6	39.6
Management or administration	27.1	42.6	21.8	9.7	16.7
Professional services and other	23.1	25.7	29.3	11.0	25.0
Secondary activity ^g					
Research and development	22.4	D	21.8	43.2	D
Teaching	16.5	17.0	20.7	10.3	18.8
Management or administration	16.5	21.9	11.5	10.3	25.0
Professional services and other	8.6	D	13.2	8.4	D
No secondary activity	36.0	43.0	32.8	27.7	35.4
Activity unknown	4.5	5.4	4.4	2.5	5.9
Postgraduation location (%) ^h					
United States ⁱ	94.4	94.6	95.0	D	D
Midwest	23.3	25.3	23.0	22.3	16.7
Northeast	15.9	16.2	9.5	D	D
South	39.3	38.5	44.5	41.3	20.0
West	15.6	14.2	17.5	8.9	36.7
Outside the United States	5.6	5.4	5.0	D	D
Location unknown	0.0	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	58.0	66.2	54.5	47.5	60.0
Female doctorate recipients reporting postgraduation status (number)	2,560	702	807	756	295
Definite postdoctoral training plans	6.4	4.1	6.7	7.8	7.8
Definite employment plans	68.9	76.5	66.7	65.5	65.4
Seeking employment or study	22.1	16.8	24.7	23.9	23.1
Other status ^a	2.5	2.6	1.9	2.8	3.4
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	91.5	89.7	90.7	93.2	91.3
Other training or unknown ^c	8.5	10.3	9.3	6.8	8.7
Definite employment plans (%) ^d					
Academe	51.8	52.5	49.4	54.1	50.3
In tenure track faculty position (%)	29.2	11.0	30.5	45.9	33.0
Not in tenure track position (%)	68.5	88.7	65.4	51.5	64.9
Government	4.1	D	3.5	4.2	D
Industry or business ^e	9.3	D	16.0	7.1	D
Nonprofit organization	7.7	D	8.4	6.7	D
Other or unknown ^f	27.1	30.7	22.7	27.9	27.5

TABLE 9-14

Education research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2023

(Number and percent)

Characteristic	All education fields	Education leadership and administration	Education research	Teacher education and teaching fields	Education, other
Primary activity ^g					
Research and development	11.6	8.1	15.5	10.6	13.7
Teaching	44.3	25.3	45.4	63.6	45.6
Management or administration	21.8	42.3	12.9	10.6	17.6
Professional services and other	22.2	24.3	26.2	15.3	23.1
Secondary activity ^g					
Research and development	25.1	D	26.8	37.7	D
Teaching	13.0	14.3	13.9	10.8	12.1
Management or administration	15.2	20.7	14.7	10.0	14.3
Professional services and other	9.3	D	10.4	8.5	D
No secondary activity	37.4	43.8	34.2	33.1	39.6
Activity unknown	4.5	3.5	5.0	4.6	5.7
Postgraduation location (%) ^h					
United States ⁱ	96.1	98.4	95.3	D	D
Midwest	22.4	26.3	22.5	18.2	22.7
Northeast	14.7	15.7	12.8	D	D
South	39.7	40.8	41.7	42.8	23.6
West	18.7	15.2	18.2	17.0	33.3
Outside the United States	3.8	1.6	4.6	D	D
Location unknown	0.1	0.0	0.2	0.0	0.5
Postgraduation location in same state as doctorate institution (%)	63.3	72.4	59.0	57.8	65.3

D = suppressed to avoid disclosure of confidential information.

^a Other status 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 Definite postdoctoral training plans excludes doctorate recipients reporting plans for other full-time degree program. Percentages are based on the number of doctorate recipients reporting definite postdoctoral plans for study.

^c Other training includes doctorate recipients who reported definite postdoctoral plans for traineeship, internship or clinical residency, or other study.

^d Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment.

^e Industry or business includes doctorate recipients reporting self-employment.

^f Other is mainly composed of elementary and secondary schools.

^g Percentages are based on the number of doctorate recipients reporting definite postgraduation plans for employment and primary or secondary work activity.

^h Percentages are based on the number of doctorate recipients reporting definite postgraduation plans and type of plans.

ⁱ United States 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 about the 2021 taxonomy change, see the "Technical Notes."

Source(s):

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