

Table 9-9. Mathematics and statistics research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2025

(Number and percent)

Characteristic	All mathematics and statistics fields	Applied mathematics	Mathematics	Statistics
Doctorate recipients reporting postgraduation status (number)	1,873	422	853	598
Definite postdoctoral training plans (%)	32.6	28.9	41.5	22.6
Definite employment plans (%)	36.5	36.3	25.9	51.7
Seeking employment or study (%)	29.1	31.8	30.9	24.6
Other status (%) ^a	1.8	3.1	1.6	1.0
Definite postdoctoral training plans (%) ^b				
Postdoc fellowship or research associateship	97.7	97.5	98.0	97.0
Other training or unknown ^c	2.3	2.5	2.0	3.0
Definite employment plans (%) ^d				
Academe	40.8	45.8	55.2	28.2
In tenure track faculty position	36.9	35.7	26.2	52.9
Not in tenure track position	58.1	57.1	68.9	43.7
Government	4.7	D	D	5.5
Industry or business ^e	49.8	47.1	34.8	61.8
Nonprofit organization	2.8	D	D	3.2
Other or unknown ^f	1.9	0.7	3.6	1.3
Primary activity ^g				
Research and development	43.8	46.4	25.6	55.7
Teaching	33.6	37.1	54.0	17.1
Management or administration	1.2	D	D	D
Professional services and other	21.4	D	D	D
Secondary activity ^g				
Research and development	30.4	32.5	33.0	27.5
Teaching	6.8	5.3	4.2	9.4
Management or administration	6.0	6.0	7.4	5.0
Professional services and other	14.2	11.3	9.8	18.8
No secondary activity	42.6	45.0	45.6	39.3
Activity unknown	2.8	1.3	2.7	3.6
Postgraduation location (%) ^h				
United States ⁱ	84.5	90.9	76.5	91.0
Midwest	14.6	12.0	14.1	16.9
Northeast	22.4	21.8	21.9	23.4
South	24.3	29.1	21.7	24.8
West	22.7	27.6	18.3	25.5
Outside the United States	15.2	9.1	23.3	8.6
Location unknown	0.2	0.0	0.2	0.5
Postgraduation location in same state as doctorate institution (%)	26.0	33.5	21.0	27.7
Male doctorate recipients reporting postgraduation status (number)	1,302	264	635	403
Definite postdoctoral training plans (%)	33.2	28.0	40.8	24.6
Definite employment plans (%)	35.4	38.6	24.4	50.6
Seeking employment or study (%)	29.4	30.7	32.8	23.3
Other status (%) ^a	1.9	2.7	2.0	1.2
Definite postdoctoral training plans (%) ^b				
Postdoc fellowship or research associateship	97.7	97.3	98.5	96.0
Other training or unknown ^c	2.3	2.7	1.5	4.0
Definite employment plans (%) ^d				
Academe	D	D	D	27.9
In tenure track faculty position	D	D	D	47.4

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Characteristic	All mathematics and statistics fields	Applied mathematics	Mathematics	Statistics
Not in tenure track position	57.1	53.7	64.6	49.1
Government	4.6	D	4.5	D
Industry or business ^e	52.5	52.9	40.6	61.3
Nonprofit organization	D	D	D	D
Other or unknown ^f	1.3	1.0	1.9	1.0
Primary activity ^g				
Research and development	46.2	50.0	28.7	57.6
Teaching	D	31.0	D	17.2
Management or administration	D	D	D	D
Professional services and other	22.3	D	D	D
Secondary activity ^g				
Research and development	30.4	D	D	27.8
Teaching	7.4	D	D	D
Management or administration	6.0	D	7.3	D
Professional services and other	15.2	12.0	9.3	21.2
No secondary activity	41.1	46.0	44.0	36.4
Activity unknown	2.8	2.0	3.2	2.9
Postgraduation location (%) ^h				
United States ⁱ	83.1	90.9	73.9	91.1
Midwest	14.1	11.4	13.0	17.2
Northeast	22.7	23.3	22.9	22.1
South	23.2	23.9	20.8	26.1
West	22.8	32.4	17.1	25.1
Outside the United States	16.6	9.1	25.8	8.3
Location unknown	0.3	0.0	0.2	0.7
Postgraduation location in same state as doctorate institution (%)	26.3	36.4	20.0	29.0
Female doctorate recipients reporting postgraduation status (number)	571	158	218	195
Definite postdoctoral training plans (%)	31.3	30.4	43.6	18.5
Definite employment plans (%)	38.9	32.3	30.3	53.8
Seeking employment or study (%)	28.4	33.5	25.7	27.2
Other status (%) ^a	1.4	3.8	0.5	0.5
Definite postdoctoral training plans (%) ^b				
Postdoc fellowship or research associateship	97.8	97.9	96.8	D
Other training or unknown ^c	2.2	2.1	3.2	D
Definite employment plans (%) ^d				
Academe	D	D	D	28.6
In tenure track faculty position	D	D	D	63.3
Not in tenure track position	59.8	62.1	76.7	33.3
Government	5.0	D	D	D
Industry or business ^e	44.1	35.3	21.2	62.9
Nonprofit organization	D	0.0	D	D
Other or unknown ^f	3.2	0.0	7.6	1.9
Primary activity ^g				
Research and development	38.9	39.2	18.5	52.0
Teaching	D	49.0	D	17.0
Management or administration	D	0.0	D	0.0
Professional services and other	19.4	11.8	7.7	31.0
Secondary activity ^g				
Research and development	30.6	D	D	27.0

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(Number and percent)

Characteristic	All mathematics and statistics fields	Applied mathematics	Mathematics	Statistics
Teaching	5.6	D	D	D
Management or administration	6.0	D	7.7	D
Professional services and other	12.0	9.8	10.8	14.0
No secondary activity	45.8	43.1	49.2	45.0
Activity unknown	2.7	0.0	1.5	4.8
Postgraduation location (%) ^h				
United States ⁱ	87.8	90.9	83.2	90.8
Midwest	15.7	13.1	16.8	16.3
Northeast	21.7	19.2	19.3	26.2
South	26.9	38.4	24.2	22.0
West	22.4	19.2	21.1	26.2
Outside the United States	12.2	9.1	16.8	9.2
Location unknown	0.0	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	25.2	28.3	23.6	24.8

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. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. For more information about the field taxonomy changes, see the "Technical Notes."

Source(s):

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