Table 9-10

Multidisciplinary/interdisciplinary sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022

(Number and percent)

Characteristic	All multidisciplinary/ interdisciplinary sciences fields	Interdisciplinary computer sciences	Multidisciplinary/ interdisciplinary sciences, other
Doctorate recipients reporting postgraduation status (number)	1,592	543	1,049
Definite postdoctoral training plans	23.7	17.7	26.8
Definite employment plans	52.4	61.9	47.5
Seeking employment or study	21.7	18.4	23.4
Other status[a]	2.2	2.0	2.3
Definite postdoctoral training plans (%)[b]			
Postdoc fellowship or research associateship	96.8	99.0	96.1
Other training or unknown[c]	3.2	1.0	3.9
Definite employment plans (%)[d]			
Academe	24.0	17.9	28.1
In tenure track faculty position (%)	50.5	68.3	42.9
Not in tenure track position (%)	45.5	26.7	53.6
Government	4.8	3.3	5.8
Industry or business[e]	62.4	71.4	56.2
Nonprofit organization	5.3	3.9	6.2
Other or unknown[f]	3.6	3.6	3.6
Primary activity[g]			
Research and development	64.5	72.9	58.8
Teaching	13.5	8.1	17.2
Management or administration	5.0	2.2	6.9
Professional services and other	17.0	16.8	17.2
Secondary activity[g]			
Research and development	17.6	14.6	19.7
Teaching	9.5	10.0	9.2
Management or administration	10.6	7.5	12.8
Professional services and other	16.8	20.9	14.0
No secondary activity	45.4	47.0	44.4
Activity unknown	4.2	4.5	4.0
Postgraduation location (%)[h]			
United States[i]	90.3	89.4	90.9
Midwest	11.5	11.6	11.4
Northeast	21.6	20.8	22.1
South	22.0	13.2	27.0
West	34.5	43.5	29.5
Outside the United States	9.3	10.0	9.0
Location unknown	0.3	0.7	0.1
Postgraduation location in same state as doctorate institution (%)	36.7	35.6	37.2
Male doctorate recipients reporting postgraduation status (number)	1,014	413	601
Definite postdoctoral training plans	21.8	18.4	24.1
Definite employment plans	55.5	60.8	51.9
Seeking employment or study	20.5	18.6	21.8
Other status[a]	2.2	2.2	2.2
Definite postdoctoral training plans (%)[b]			

Table 9-10

Multidisciplinary/interdisciplinary sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022

(Number and percent)

Characteristic	All multidisciplinary/ interdisciplinary sciences fields	Interdisciplinary computer sciences	Multidisciplinary/ interdisciplinary sciences, other
Postdoc fellowship or research associateship	97.7	98.7	97.2
Other training or unknown[c]	2.3	1.3	2.8
Definite employment plans (%)[d]			
Academe	19.4	15.1	22.8
In tenure track faculty position (%)	53.2	65.8	46.5
Not in tenure track position (%)	42.2	28.9	49.3
Government	4.6	D	D
Industry or business[e]	68.7	75.3	63.5
Nonprofit organization	4.4	D	D
Other or unknown[f]	2.8	2.8	2.9
Primary activity[g]			
Research and development	69.1	74.1	65.1
Teaching	10.0	D	D
Management or administration	4.4	D	D
Professional services and other	16.5	17.6	15.6
Secondary activity[g]			
Research and development	15.7	13.8	17.3
Teaching	9.1	9.2	9.0
Management or administration	10.0	7.5	12.0
Professional services and other	18.9	22.6	15.9
No secondary activity	46.3	46.9	45.8
Activity unknown	4.1	4.8	3.5
Postgraduation location (%)[h]			
United States[i]	90.6	89.9	91.0
Midwest	11.6	11.9	11.4
Northeast	21.9	20.2	23.2
South	19.5	13.8	23.6
West	37.0	44.0	31.9
Outside the United States	9.2	9.5	9.0
Location unknown	0.3	0.6	0.0
Postgraduation location in same state as doctorate institution (%)	36.4	35.5	37.0
Female doctorate recipients reporting postgraduation status (number)	578	130	448
Definite postdoctoral training plans	27.0	15.4	30.4
Definite employment plans	46.9	65.4	41.5
Seeking employment or study	23.7	17.7	25.4
Other status[a]	2.2	1.5	2.5
Definite postdoctoral training plans (%)[b]			
Postdoc fellowship or research associateship	95.5	100.0	94.9
Other training or unknown[c]	4.5	0.0	5.1
Definite employment plans (%)[d]			
Academe	33.6	25.9	37.1
In tenure track faculty position (%)	47.3	72.7	39.1
Not in tenure track position (%)	49.5	22.7	58.0
Government	5.2	D	D

Table 9-10

Multidisciplinary/interdisciplinary sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022

(Number and percent)

Characteristic	All multidisciplinary/ interdisciplinary sciences fields	Interdisciplinary computer sciences	Multidisciplinary/ interdisciplinary sciences, other
Industry or business[e]	49.1	60.0	44.1
Nonprofit organization	7.0	D	D
Other or unknown[f]	5.2	5.9	4.8
Primary activity[g]			
Research and development	54.8	69.5	48.0
Teaching	20.8	D	D
Management or administration	6.2	D	D
Professional services and other	18.1	14.6	19.8
Secondary activity[g]			
Research and development	21.6	17.1	23.7
Teaching	10.4	12.2	9.6
Management or administration	12.0	7.3	14.1
Professional services and other	12.4	15.9	10.7
No secondary activity	43.6	47.6	41.8
Activity unknown	4.4	3.5	4.8
Postgraduation location (%)[h]			
United States[i]	89.9	87.6	90.7
Midwest	11.2	10.5	11.5
Northeast	21.1	22.9	20.5
South	26.7	11.4	31.7
West	30.0	41.9	26.1
Outside the United States	9.6	11.4	9.0
Location unknown	0.5	1.0	0.3
Postgraduation location in same state as doctorate institution (%)	37.2	36.2	37.6

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 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://ncses.nsf.gov/pubs/ncses23200).

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.