

Table 9-16**Business research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022**

(Number and percent)

Characteristic	All business fields	Business administration and management	Business, other
Doctorate recipients reporting postgraduation status (number)	1,234	337	897
Definite postdoctoral training plans	7.1	7.7	6.9
Definite employment plans	74.2	74.8	74.0
Seeking employment or study	15.0	14.5	15.2
Other status ^a	3.6	3.0	3.8
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	95.5	100.0	93.5
Other training or unknown ^c	4.5	0.0	6.5
Definite employment plans (%) ^d			
Academe	75.1	65.5	78.8
In tenure track faculty position (%)	83.9	82.4	84.3
Not in tenure track position (%)	15.3	17.0	14.7
Government	D	D	3.8
Industry or business ^e	16.7	21.4	14.9
Nonprofit organization	2.1	4.0	1.4
Other or unknown ^f	D	D	1.2
Primary activity ^g			
Research and development	52.3	47.2	54.1
Teaching	29.7	26.0	31.0
Management or administration	8.1	13.0	6.4
Professional services and other	9.9	13.9	8.5
Secondary activity ^g			
Research and development	31.4	28.6	32.4
Teaching	49.0	46.8	49.8
Management or administration	4.5	6.9	3.6
Professional services and other	4.8	5.2	4.7
No secondary activity	10.4	12.6	9.6
Activity unknown	4.4	8.3	2.9
Postgraduation location (%) ^h			
United States ⁱ	82.3	83.8	81.7
Midwest	17.1	18.7	16.5
Northeast	15.0	12.9	15.8
South	34.2	36.7	33.2
West	15.4	15.1	15.6
Outside the United States	17.6	15.8	18.3
Location unknown	0.1	0.4	0.0
Postgraduation location in same state as doctorate institution (%)	17.8	21.2	16.5
Male doctorate recipients reporting postgraduation status (number)	692	182	510
Definite postdoctoral training plans	7.8	8.2	7.6
Definite employment plans	73.7	76.4	72.7
Seeking employment or study	14.3	12.6	14.9
Other status ^a	4.0	2.7	4.5
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	94.4	100.0	92.3
Other training or unknown ^c	5.6	0.0	7.7
Definite employment plans (%) ^d			
Academe	72.7	63.3	76.3

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Characteristic	All business fields	Business administration and management	Business, other
In tenure track faculty position (%)	84.6	87.5	83.7
Not in tenure track position (%)	14.6	12.5	15.2
Government	D	D	4.0
Industry or business ^e	18.8	24.5	16.7
Nonprofit organization	2.5	D	D
Other or unknown ^f	D	D	D
Primary activity ^g			
Research and development	52.2	51.6	52.4
Teaching	30.8	25.0	32.9
Management or administration	7.4	10.2	6.4
Professional services and other	9.7	13.3	8.4
Secondary activity ^g			
Research and development	33.5	28.9	35.1
Teaching	46.0	46.9	45.7
Management or administration	4.9	7.8	3.9
Professional services and other	4.5	5.5	4.2
No secondary activity	11.1	10.9	11.1
Activity unknown	4.5	7.9	3.2
Postgraduation location (%) ^h			
United States ⁱ	80.5	77.9	81.5
Midwest	16.0	17.5	15.4
Northeast	13.5	9.7	14.9
South	35.3	34.4	35.6
West	15.6	16.2	15.4
Outside the United States	19.3	21.4	18.5
Location unknown	0.2	0.6	0.0
Postgraduation location in same state as doctorate institution (%)	17.7	18.2	17.6
Female doctorate recipients reporting postgraduation status (number)	542	155	387
Definite postdoctoral training plans	6.3	7.1	5.9
Definite employment plans	74.9	72.9	75.7
Seeking employment or study	15.9	16.8	15.5
Other status ^a	3.0	3.2	2.8
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	97.1	100.0	95.7
Other training or unknown ^c	2.9	0.0	4.3
Definite employment plans (%) ^d			
Academe	78.1	68.1	81.9
In tenure track faculty position (%)	83.0	76.6	85.0
Not in tenure track position (%)	16.1	22.1	14.2
Government	D	D	3.4
Industry or business ^e	14.0	17.7	12.6
Nonprofit organization	1.5	D	D
Other or unknown ^f	D	5.3	D
Primary activity ^g			
Research and development	52.4	41.7	56.3
Teaching	28.3	27.2	28.7
Management or administration	9.0	16.5	6.3

Table 9-16**Business research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022**

(Number and percent)

Characteristic	All business fields	Business administration and management	Business, other
Professional services and other	10.3	14.6	8.7
Secondary activity ^g			
Research and development	28.8	28.2	29.0
Teaching	52.7	46.6	54.9
Management or administration	3.9	5.8	3.1
Professional services and other	5.1	4.9	5.2
No secondary activity	9.5	14.6	7.7
Activity unknown	4.2	8.8	2.4
Postgraduation location (%) ^h			
United States ⁱ	84.5	91.1	82.0
Midwest	18.6	20.2	18.0
Northeast	17.0	16.9	17.1
South	32.7	39.5	30.1
West	15.2	13.7	15.8
Outside the United States	15.5	8.9	18.0
Location unknown	0.0	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	18.0	25.0	15.2

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://nces.nsf.gov/pubs/nces23200>).

Source(s):

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