

Table 9-8**Health sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022**

(Number and percent)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
Doctorate recipients reporting postgraduation status (number)	2,502	566	396	741	799
Definite postdoctoral training plans	22.1	12.0	26.0	29.4	20.7
Definite employment plans	51.6	62.7	47.2	44.4	52.7
Seeking employment or study	22.5	21.2	24.5	22.8	22.0
Other status ^a	3.7	4.1	2.3	3.2	4.6
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	88.3	98.5	94.2	83.5	86.7
Other training or unknown ^c	11.7	1.5	5.8	16.5	13.3
Definite employment plans (%) ^d					
Academe	45.4	61.1	11.2	37.7	53.4
In tenure track faculty position (%)	41.9	35.0	57.1	37.9	49.3
Not in tenure track position (%)	52.3	54.8	42.9	56.5	48.4
Government	8.9	4.8	5.3	19.8	5.5
Industry or business ^e	28.5	10.1	78.6	23.7	25.4
Nonprofit organization	13.1	19.7	D	16.1	D
Other or unknown ^f	4.1	4.2	D	2.7	D
Primary activity ^g					
Research and development	32.5	12.6	74.7	40.8	23.9
Teaching	32.0	49.6	7.9	19.0	38.2
Management or administration	12.2	17.9	4.5	14.9	8.7
Professional services and other	23.3	19.9	12.9	25.3	29.3
Secondary activity ^g					
Research and development	30.6	34.3	10.1	27.5	39.2
Teaching	13.5	15.8	6.2	12.0	16.0
Management or administration	14.7	10.6	24.7	17.1	12.0
Professional services and other	11.8	13.5	7.9	11.7	12.2
No secondary activity	29.3	25.8	51.1	31.6	20.6
Activity unknown	5.0	3.9	4.8	4.0	6.7
Postgraduation location (%) ^h					
United States ⁱ	93.0	94.3	91.0	93.4	92.7
Midwest	18.0	18.2	14.8	17.0	20.5
Northeast	23.2	26.2	35.2	20.8	17.4
South	33.9	32.9	21.4	38.6	36.3
West	17.3	16.8	19.3	15.9	18.1
Outside the United States	6.9	5.7	8.6	6.6	7.2
Location unknown	0.1	0.0	0.3	0.0	0.2
Postgraduation location in same state as doctorate institution (%)	45.9	57.4	34.1	44.2	45.1
Male doctorate recipients reporting postgraduation status (number)	772	67	196	234	275
Definite postdoctoral training plans	26.3	7.5	28.6	31.2	25.1
Definite employment plans	48.3	62.7	44.9	42.3	52.4
Seeking employment or study	21.5	23.9	24.5	23.1	17.5
Other status ^a	3.9	6.0	2.0	3.4	5.1
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	80.3	100.0	94.6	67.1	81.2

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Health sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2022

(Number and percent)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
Other training or unknown ^c	19.7	0.0	5.4	32.9	18.8
Definite employment plans (%) ^d					
Academe	37.3	52.4	13.6	34.3	49.3
In tenure track faculty position (%)	51.1	D	D	52.9	59.2
Not in tenure track position (%)	44.6	D	D	38.2	39.4
Government	8.6	D	D	18.2	D
Industry or business ^e	39.4	16.7	75.0	33.3	28.5
Nonprofit organization	9.4	D	D	11.1	8.3
Other or unknown ^f	5.4	4.8	D	3.0	D
Primary activity ^g					
Research and development	43.6	17.5	75.6	44.7	30.8
Teaching	25.2	30.0	9.8	18.1	38.3
Management or administration	11.2	27.5	D	D	8.3
Professional services and other	20.1	25.0	D	D	22.6
Secondary activity ^g					
Research and development	28.4	22.5	9.8	30.9	39.8
Teaching	13.2	D	D	10.6	12.8
Management or administration	14.0	D	D	13.8	10.5
Professional services and other	14.0	D	D	12.8	19.5
No secondary activity	30.4	27.5	51.2	31.9	17.3
Activity unknown	6.4	4.8	6.8	5.1	7.6
Postgraduation location (%) ^h					
United States ⁱ	91.0	85.1	90.3	93.6	90.6
Midwest	17.2	D	15.3	D	16.4
Northeast	23.4	19.1	40.3	18.0	17.4
South	28.6	31.9	17.4	33.1	31.9
West	21.2	D	17.4	D	24.4
Outside the United States	8.9	14.9	9.0	6.4	9.4
Location unknown	0.2	0.0	0.7	0.0	0.0
Postgraduation location in same state as doctorate institution (%)	42.0	59.6	32.6	41.9	44.6
Female doctorate recipients reporting postgraduation status (number)	1,730	499	200	507	524
Definite postdoctoral training plans	20.3	12.6	23.5	28.6	18.3
Definite employment plans	53.1	62.7	49.5	45.4	52.9
Seeking employment or study	22.9	20.8	24.5	22.7	24.4
Other status ^a	3.6	3.8	2.5	3.2	4.4
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	92.9	98.4	93.6	91.7	90.6
Other training or unknown ^c	7.1	1.6	6.4	8.3	9.4
Definite employment plans (%) ^d					
Academe	48.7	62.3	9.1	39.1	55.6
In tenure track faculty position (%)	39.1	D	D	32.2	44.8
Not in tenure track position (%)	54.7	D	D	63.3	52.6
Government	9.0	D	D	20.4	D
Industry or business ^e	24.0	9.3	81.8	19.6	23.8
Nonprofit organization	14.6	D	D	18.3	D
Other or unknown ^f	3.6	4.2	1.0	2.6	4.7

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(Number and percent)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
Primary activity ^g					
Research and development	28.1	12.0	74.0	39.2	20.4
Teaching	34.7	52.2	6.3	19.4	38.1
Management or administration	12.6	16.6	D	D	8.8
Professional services and other	24.6	19.3	D	D	32.7
Secondary activity ^g					
Research and development	31.5	35.9	10.4	26.1	38.8
Teaching	13.7	D	D	12.6	17.7
Management or administration	15.0	D	D	18.5	12.7
Professional services and other	10.9	D	D	11.3	8.5
No secondary activity	28.9	25.6	51.0	31.5	22.3
Activity unknown	4.4	3.8	3.0	3.5	6.1
Postgraduation location (%) ^h					
United States ⁱ	93.9	95.5	91.8	93.3	93.8
Midwest	18.4	D	14.4	D	22.8
Northeast	23.1	27.1	30.1	22.1	17.4
South	36.2	33.0	25.3	41.1	38.9
West	15.6	D	21.2	D	14.5
Outside the United States	6.0	4.5	8.2	6.7	5.9
Location unknown	0.1	0.0	0.0	0.0	0.3
Postgraduation location in same state as doctorate institution (%)	47.7	57.2	35.6	45.3	45.3

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. 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.