

Table 9-8**Health sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2021**

(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)	2,328	554	361	645	768
Definite postdoctoral training plans	25.1	15.7	29.9	30.7	25.0
Definite employment plans	47.7	60.6	40.4	42.3	46.2
Seeking employment or study	24.1	21.5	29.1	24.0	23.6
Other status ^a	3.1	2.2	0.6	2.9	5.1
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	88.9	97.7	93.5	81.8	89.6
Other training or unknown ^c	11.1	2.3	6.5	18.2	10.4
Definite employment plans (%) ^d					
Academe	47.7	61.6	12.3	46.2	50.1
In tenure track faculty position (%)	39.9	32.4	D	D	52.2
Not in tenure track position (%)	53.7	57.0	D	D	44.9
Government	8.7	7.4	6.2	14.7	6.5
Industry or business ^e	25.9	10.4	75.3	18.3	25.9
Nonprofit organization	14.5	17.0	4.1	17.6	14.1
Other or unknown ^f	3.2	3.6	2.1	3.3	3.4
Primary activity ^g					
Research and development	29.1	6.9	76.6	37.8	24.2
Teaching	32.5	54.5	7.3	21.2	30.7
Management or administration	13.5	17.9	3.6	16.2	11.2
Professional services and other	24.9	20.7	12.4	24.7	33.9
Secondary activity ^g					
Research and development	29.9	35.7	13.1	30.5	30.7
Teaching	16.5	16.6	4.4	16.6	21.2
Management or administration	15.7	12.5	18.2	19.3	15.0
Professional services and other	11.2	11.0	9.5	10.4	12.7
No secondary activity	26.7	24.1	54.7	23.2	20.4
Activity unknown	5.0	5.1	6.2	5.1	4.5
Postgraduation location (%) ^h					
United States ⁱ	93.0	93.1	92.5	92.1	93.8
Midwest	19.6	17.7	18.9	16.6	23.9
Northeast	19.4	22.9	23.6	19.5	14.4
South	34.7	35.2	25.2	37.6	36.2
West	18.8	17.3	24.8	17.4	18.3
Outside the United States	6.9	6.9	7.5	7.4	6.2
Location unknown	0.1	0.0	0.0	0.4	0.0
Postgraduation location in same state as doctorate institution (%)	45.4	56.3	33.5	44.4	43.3
Male doctorate recipients reporting postgraduation status (number)	721	62	173	205	281
Definite postdoctoral training plans	30.7	24.2	32.4	32.7	29.5
Definite employment plans	43.0	45.2	39.9	42.9	44.5
Seeking employment or study	23.3	29.0	27.2	22.4	20.3
Other status ^a	2.9	1.6	0.6	2.0	5.3
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	84.2	100.0	94.6	67.2	88.0

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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
Other training or unknown ^c	15.8	0.0	5.4	32.8	12.0
Definite employment plans (%) ^d					
Academe	41.9	50.0	14.5	46.6	52.0
In tenure track faculty position (%)	53.8	42.9	D	D	61.5
Not in tenure track position (%)	40.8	42.9	D	D	33.8
Government	7.4	D	D	12.5	4.0
Industry or business ^e	36.1	D	D	17.0	32.0
Nonprofit organization	11.9	D	D	19.3	9.6
Other or unknown ^f	2.6	0.0	1.4	4.5	2.4
Primary activity ^g					
Research and development	42.2	D	D	45.1	31.1
Teaching	22.3	40.7	7.7	18.3	28.7
Management or administration	10.8	D	D	15.9	12.3
Professional services and other	24.7	44.4	15.4	20.7	27.9
Secondary activity ^g					
Research and development	27.4	37.0	15.4	29.3	30.3
Teaching	17.2	D	D	19.5	21.3
Management or administration	16.6	D	D	15.9	15.6
Professional services and other	11.8	D	D	17.1	10.7
No secondary activity	27.0	29.6	46.2	18.3	22.1
Activity unknown	4.5	3.6	5.8	6.8	2.4
Postgraduation location (%) ^h					
United States ⁱ	92.1	88.4	92.8	89.0	94.7
Midwest	19.2	16.3	16.0	16.8	23.6
Northeast	17.7	20.9	27.2	18.1	11.1
South	32.6	25.6	22.4	36.8	37.0
West	22.2	25.6	27.2	17.4	22.1
Outside the United States	7.7	11.6	7.2	10.3	5.3
Location unknown	0.2	0.0	0.0	0.6	0.0
Postgraduation location in same state as doctorate institution (%)	39.2	51.2	31.2	37.4	42.8
Female doctorate recipients reporting postgraduation status (number)	1,607	492	188	440	487
Definite postdoctoral training plans	22.7	14.6	27.7	29.8	22.4
Definite employment plans	49.8	62.6	41.0	42.0	47.2
Seeking employment or study	24.4	20.5	30.9	24.8	25.5
Other status ^a	3.2	2.2	0.5	3.4	4.9
Definite postdoctoral training plans (%) ^b					
Postdoc fellowship or research associateship	91.8	97.2	92.3	89.3	90.8
Other training or unknown ^c	8.2	2.8	7.7	10.7	9.2
Definite employment plans (%) ^d					
Academe	49.9	62.7	10.4	45.9	49.1
In tenure track faculty position (%)	35.3	31.6	D	D	46.9
Not in tenure track position (%)	57.9	58.0	D	D	51.3
Government	9.3	D	D	15.7	7.8
Industry or business ^e	21.9	D	D	18.9	22.6
Nonprofit organization	15.5	D	D	16.8	16.5

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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
Other or unknown ^f	3.5	3.9	2.6	2.7	3.9
Primary activity ^g					
Research and development	24.0	D	D	34.5	20.3
Teaching	36.5	55.8	6.9	22.6	31.8
Management or administration	14.5	D	D	16.4	10.6
Professional services and other	24.9	18.5	9.7	26.6	37.3
Secondary activity ^g					
Research and development	30.9	35.6	11.1	31.1	30.9
Teaching	16.2	D	D	15.3	21.2
Management or administration	15.4	D	D	20.9	14.7
Professional services and other	10.9	D	D	7.3	13.8
No secondary activity	26.5	23.6	62.5	25.4	19.4
Activity unknown	5.3	5.2	6.5	4.3	5.7
Postgraduation location (%) ^h					
United States ⁱ	93.4	93.7	92.2	93.7	93.2
Midwest	19.8	17.9	21.7	16.5	24.2
Northeast	20.1	23.2	20.2	20.3	16.5
South	35.7	36.3	27.9	38.0	35.7
West	17.2	16.3	22.5	17.4	15.9
Outside the United States	6.5	6.3	7.8	6.0	6.8
Location unknown	0.1	0.0	0.0	0.3	0.0
Postgraduation location in same state as doctorate institution (%)	48.2	56.8	35.7	47.8	43.7

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 cases 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):**

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 the new broad, major, and detailed fields were used in tables reporting only the most recent data year. Therefore, the field of doctorate data in 2021 may not be comparable to prior years; see the "Technical Notes" for more information, table A-4 for a summary of SED-CIP codes in the new SED field taxonomy, table A-5 for a full list of SED-CIP codes in the new field taxonomy, and table A-6 for the SED-CIP code crosswalk to the historical field taxonomy.

Source(s):

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