

Table 9-5**Computer and information sciences research doctorate recipients, postgraduation plans by sex and major field of doctorate: 2021**

(Number and percent)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
Doctorate recipients reporting postgraduation status (number)	1,978	1,384	594
Definite postdoctoral training plans	17.7	18.0	17.0
Definite employment plans	60.3	60.2	60.6
Seeking employment or study	20.5	20.5	20.5
Other status ^a	1.5	1.3	1.9
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	95.1	94.8	96.0
Other training or unknown ^c	4.9	5.2	4.0
Definite employment plans (%) ^d			
Academe	26.9	24.0	33.6
In tenure track faculty position (%)	68.8	73.0	62.0
Not in tenure track position (%)	25.2	22.0	30.6
Government	3.5	2.9	5.0
Industry or business ^e	65.8	69.6	56.9
Nonprofit organization	2.5	2.2	3.3
Other or unknown ^f	1.3	1.3	1.1
Primary activity ^g			
Research and development	67.2	69.1	63.0
Teaching	15.9	14.4	19.2
Management or administration	1.9	0.8	4.6
Professional services and other	14.9	15.7	13.2
Secondary activity ^g			
Research and development	20.7	20.3	21.5
Teaching	11.8	10.6	14.6
Management or administration	7.5	6.5	9.7
Professional services and other	14.5	13.4	16.9
No secondary activity	45.5	49.2	37.2
Activity unknown	5.1	6.0	3.1
Postgraduation location (%) ^h			
United States ⁱ	90.1	90.9	88.1
Midwest	9.3	9.1	10.0
Northeast	20.7	21.0	20.2
South	18.2	15.5	24.5
West	41.4	45.3	32.3
Outside the United States	9.7	8.9	11.5
Location unknown	0.3	0.2	0.4
Postgraduation location in same state as doctorate institution (%)	32.3	31.1	35.1
Male doctorate recipients reporting postgraduation status (number)	1,507	1,085	422
Definite postdoctoral training plans	17.4	17.6	16.8
Definite employment plans	61.3	61.0	62.1
Seeking employment or study	20.0	20.1	19.7
Other status ^a	1.3	1.3	1.4
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	94.7	94.8	94.4
Other training or unknown ^c	5.3	5.2	5.6

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Definite employment plans (%) ^d			
Academe	24.6	21.9	31.3
In tenure track faculty position (%)	68.7	71.7	63.4
Not in tenure track position (%)	24.7	22.1	29.3
Government	4.0	D	D
Industry or business ^e	67.6	71.1	58.8
Nonprofit organization	2.4	D	D
Other or unknown ^f	1.4	1.4	1.5
Primary activity ^g			
Research and development	69.5	71.0	65.7
Teaching	13.5	12.3	16.5
Management or administration	D	D	3.5
Professional services and other	D	D	14.2
Secondary activity ^g			
Research and development	18.8	18.1	20.5
Teaching	11.9	10.6	15.0
Management or administration	7.6	6.5	10.2
Professional services and other	15.4	14.2	18.5
No secondary activity	46.3	50.6	35.8
Activity unknown	5.4	6.3	3.1
Postgraduation location (%) ^h			
United States ⁱ	90.4	91.3	88.0
Midwest	9.0	8.4	10.5
Northeast	20.0	19.9	20.1
South	17.6	15.5	23.1
West	43.4	47.4	33.3
Outside the United States	9.4	8.4	11.7
Location unknown	0.3	0.2	0.3
Postgraduation location in same state as doctorate institution (%)	32.5	30.9	36.6
Female doctorate recipients reporting postgraduation status (number)	471	299	172
Definite postdoctoral training plans	18.7	19.4	17.4
Definite employment plans	57.1	57.2	57.0
Seeking employment or study	22.3	22.1	22.7
Other status ^a	1.9	1.3	2.9
Definite postdoctoral training plans (%) ^b			
Postdoc fellowship or research associateship	96.6	94.8	100.0
Other training or unknown ^c	3.4	5.2	0.0
Definite employment plans (%) ^d			
Academe	34.9	32.2	39.8
In tenure track faculty position (%)	69.1	76.4	59.0
Not in tenure track position (%)	26.6	21.8	33.3
Government	1.9	D	D
Industry or business ^e	59.5	63.7	52.0
Nonprofit organization	3.0	D	D
Other or unknown ^f	0.7	1.2	0.0
Primary activity ^g			

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(Number and percent)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
Research and development	59.7	62.0	55.8
Teaching	24.0	22.7	26.3
Management or administration	D	D	7.4
Professional services and other	D	D	10.5
Secondary activity ^g			
Research and development	27.1	28.8	24.2
Teaching	11.6	10.4	13.7
Management or administration	7.4	6.7	8.4
Professional services and other	11.2	10.4	12.6
No secondary activity	42.6	43.6	41.1
Activity unknown	4.1	4.7	3.1
Postgraduation location (%) ^h			
United States ⁱ	89.1	89.5	88.3
Midwest	10.4	11.4	8.6
Northeast	23.2	24.9	20.3
South	20.2	15.7	28.1
West	34.7	37.6	29.7
Outside the United States	10.6	10.5	10.9
Location unknown	0.3	0.0	0.8
Postgraduation location in same state as doctorate institution (%)	31.4	31.4	31.3

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 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.