Table 8-5

Computer and information science research doctorate recipients, statistical profile by sex and major field of doctorate: 2022

(Number, percent, and median years)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
All doctorate recipients (number)[a]	2,188	1,484	704
Sex (%)			
Male	75.6	77.3	72.0
Female	24.4	22.7	28.0
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	35.4	36.3	33.4
Temporary visa holder	60.2	59.6	61.5
Unknown	4.4	4.0	5.1
Marital status (%)			
Never married	40.8	42.8	36.6
Married	38.4	38.1	39.1
Marriage-like relationship	7.0	8.0	4.8
Separated, divorced, widowed	2.2	1.5	3.7
Unknown	11.5	9.5	15.8
Has dependent age 18 or younger (%)	16.7	14.4	21.9
Has one or more functional limitations (%)	10.7	10.4	11.1
Age at doctorate (median years)	31.0	30.7	32.1
Bachelor's in same field as doctorate (%)[b]	39.6	44.0	29.9
Master's earned (%)	73.9	71.5	79.1
Master's earned at same doctorate institution (%)	49.0	51.0	45.1
Time to doctorate (median years)			
Years since earning bachelor's degree	8.4	8.1	9.3
From graduate school start	7.0	6.9	7.8
From doctoral program start[c]	5.8	5.8	5.7
Received tuition remission (%)	86.5	88.3	82.4
Male doctorate recipients (number)	1,654	1,147	507
Citizenship status (%)			
U.S. citizen or permanent resident	34.6	36.4	30.6
Temporary visa holder	61.3	59.9	64.5
Unknown	4.1	3.7	4.9
Marital status (%)			
Never married	42.3	44.5	37.5
Married	38.2	37.1	40.8
Marriage-like relationship	7.0	8.1	4.5
Separated, divorced, widowed	1.7	1.0	3.2
Unknown	10.8	9.3	14.0
Has dependent age 18 or younger (%)	16.8	14.0	23.7
Has one or more functional limitations (%)	9.8	9.6	10.5
Age at doctorate (median years)	30.9	30.6	32.0
Bachelor's in same field as doctorate (%)[b]	41.0	44.7	32.3
Master's earned (%)	72.6	70.0	78.5
Master's earned at same doctorate institution (%)	48.6	50.3	45.0
Time to doctorate (median years)			
Years since earning bachelor's degree	8.3	8.0	9.2
From graduate school start	7.0	6.9	7.8

Table 8-5

Computer and information science research doctorate recipients, statistical profile by sex and major field of doctorate: 2022

(Number, percent, and median years)

Characteristic	All computer and information sciences fields	Computer science	Computer and information sciences, other
From doctoral program start[c]	5.7	5.8	5.3
Received tuition remission (%)	86.8	88.5	82.7
Female doctorate recipients (number)	534	337	197
Citizenship status (%)			
U.S. citizen or permanent resident	37.6	35.9	40.6
Temporary visa holder	56.9	58.8	53.8
Unknown	5.4	5.3	5.6
Marital status (%)			
Never married	36.1	37.1	34.5
Married	39.1	41.8	34.5
Marriage-like relationship	6.9	7.7	5.6
Separated, divorced, widowed	3.9	3.3	5.1
Unknown	13.9	10.1	20.3
Has dependent age 18 or younger (%)	16.2	15.9	16.9
Has one or more functional limitations (%)	13.3	13.4	13.1
Age at doctorate (median years)	31.7	31.0	32.5
Bachelor's in same field as doctorate (%)[b]	35.2	41.5	23.5
Master's earned (%)	78.1	76.7	80.6
Master's earned at same doctorate institution (%)	50.1	52.9	45.2
Time to doctorate (median years)			
Years since earning bachelor's degree	9.0	8.5	10.1
From graduate school start	7.5	7.0	8.0
From doctoral program start[c]	5.8	5.8	5.8
Received tuition remission (%)	85.6	87.7	81.8

[a] Includes doctorate recipients who did not report sex.

[b] A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree.

[c] Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.

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 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.