Table 60

Statistical profile of doctorate recipients in mathematics and computer sciences fields, by sex and field of study: 2020

(Number, percent, and median years)

Characteristic	All mathematics and computer sciences fields	Computer and information sciences	Mathematics and statistics
All doctorate recipients (number)[a]	4,392	2,361	2,031
Sex (%)			
Male	75.1	78.7	70.8
Female	24.9	21.3	29.2
Unknown	0.0	0.0	0.0
Citizenship (%)			
U.S. citizen or permanent resident	39.5	34.2	45.7
Temporary visa holder	56.4	61.5	50.4
Unknown	4.1	4.3	3.9
Marital status (%)			
Never married	43.9	39.7	48.9
Married	37.9	42.1	33.0
Marriage-like relationship	5.4	4.3	6.6
Separated, divorced, widowed	1.8	2.1	1.5
Unknown	11.0	11.8	10.0
Bachelor's in same field as doctorate (%)[b]	61.5	49.2	75.7
Master's earned (%)	72.3	73.8	70.6
Age at doctorate (median years)	30.4	31.3	29.4
Time to doctorate (median years)			
From bachelor's	7.9	8.6	7.0
From graduate school start	7.0	7.7	6.3
From doctoral program start[c]	5.6	5.8	5.3
Male doctorate recipients (number)	3,297	1,859	1,438
Citizenship (%)			
U.S. citizen or permanent resident	39.1	32.7	47.4
Temporary visa holder	56.8	63.0	48.7
Unknown	4.2	4.3	4.0
Marital status (%)			
Never married	44.0	39.8	49.5
Married	38.0	42.2	32.6
Marriage-like relationship	5.0	4.3	5.9
Separated, divorced, widowed	1.4	1.4	1.5
Unknown	11.6	12.4	10.5
Bachelor's in same field as doctorate (%)[b]	61.1	50.4	74.8
Master's earned (%)	71.2	73.0	68.8
Age at doctorate (median years)	30.6	31.3	29.5
Time to doctorate (median years)			
From bachelor's	7.9	8.6	7.0
From graduate school start	7.0	7.7	6.4
From doctoral program start[c]	5.7	5.8	5.3
Female doctorate recipients (number)	1,095	502	593
Citizenship (%)			
U.S. citizen or permanent resident	40.9	40.0	41.7
Temporary visa holder	55.1	55.8	54.5
Unknown	4.0	4.2	3.9
Marital status (%)			

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Statistical profile of doctorate recipients in mathematics and computer sciences fields, by sex and field of study: 2020

(Number, percent, and median years)

Characteristic	All mathematics and computer sciences fields	Computer and information sciences	Mathematics and statistics
Never married	43.7	39.4	47.4
Married	37.7	42.0	34.1
Marriage-like relationship	6.5	4.4	8.3
Separated, divorced, widowed	2.9	4.6	1.5
Unknown	9.1	9.6	8.8
Bachelor's in same field as doctorate (%)[b]	62.7	44.8	77.9
Master's earned (%)	75.8	76.7	75.0
Age at doctorate (median years)	30.1	31.4	29.2
Time to doctorate (median years)			
From bachelor's	7.8	9.0	6.9
From graduate school start	6.9	7.8	6.1
From doctoral program start[c]	5.3	5.8	5.0

[a] Includes respondents who did not report sex.

[b] A bachelor's degree is counted as "in same field as doctorate" if the fields of study of the doctorate recipient's first or most recent bachelor's degree and doctoral degree are both in the same major field category, except for engineering and education fields where broad field categories need to be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields based on the National Center for Science and Engineering Statistics' field of study taxonomy.

[c] Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the doctoral institution in the same fine 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.

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.