

Table 60

## Statistical profile of doctorate recipients in mathematics and computer sciences fields, by sex and field of study: 2019

(Number, percent, and median years)

Characteristic	All mathematics and computer sciences fields	Computer and information sciences	Mathematics and statistics
All doctorate recipients (number) <sup>a</sup>	4,240	2,228	2,012
Sex (%)			
Male	74.2	77.1	70.9
Female	25.8	22.9	29.1
Unknown	*	*	0.0
Citizenship (%)			
U.S. citizen or permanent resident	42.1	35.9	49.1
Temporary visa holder	54.5	59.8	48.5
Unknown	3.4	4.3	2.4
Marital status (%)			
Never married	43.3	38.2	48.9
Married	39.2	44.6	33.3
Marriage-like relationship	4.9	4.1	5.7
Separated, divorced, widowed	1.9	1.9	1.8
Unknown	10.8	11.1	10.3
Bachelor's in same field as doctorate (%) <sup>b</sup>	61.1	48.5	75.0
Master's earned (%)	71.6	74.5	68.4
Age at doctorate (median years)	30.3	31.3	29.5
Time to doctorate (median years)			
From bachelor's	7.8	8.6	7.0
From graduate school start	6.9	7.7	6.3
From doctoral program start <sup>c</sup>	5.7	5.8	5.3
Male doctorate recipients (number)	3,144	1,717	1,427
Citizenship (%)			
U.S. citizen or permanent resident	41.6	33.9	50.9
Temporary visa holder	54.9	61.6	46.8
Unknown	3.5	4.5	2.3
Marital status (%)			
Never married	44.0	38.6	50.5
Married	38.8	44.6	31.9
Marriage-like relationship	4.9	4.1	5.8
Separated, divorced, widowed	1.8	1.5	2.2
Unknown	10.6	11.3	9.7
Bachelor's in same field as doctorate (%) <sup>b</sup>	61.4	50.6	74.5
Master's earned (%)	70.5	74.1	66.2
Age at doctorate (median years)	30.3	31.2	29.5
Time to doctorate (median years)			
From bachelor's	7.6	8.4	7.0
From graduate school start	6.9	7.6	6.3
From doctoral program start <sup>c</sup>	5.7	5.8	5.3
Female doctorate recipients (number)	1,095	510	585
Citizenship (%)			
U.S. citizen or permanent resident	43.7	42.7	44.6
Temporary visa holder	53.3	54.1	52.6
Unknown	2.9	3.1	2.7
Marital status (%)			

**Table 60****Statistical profile of doctorate recipients in mathematics and computer sciences fields, by sex and field of study: 2019**

(Number, percent, and median years)

Characteristic	All mathematics and computer sciences fields	Computer and information sciences	Mathematics and statistics
Never married	41.4	37.3	45.0
Married	40.5	44.7	36.9
Marriage-like relationship	4.8	4.3	5.3
Separated, divorced, widowed	2.0	3.3	0.9
Unknown	11.2	10.4	12.0
Bachelor's in same field as doctorate (%) <sup>b</sup>	60.3	41.8	76.4
Master's earned (%)	74.8	75.9	73.8
Age at doctorate (median years)	30.3	31.6	29.4
Time to doctorate (median years)			
From bachelor's	7.9	9.2	7.2
From graduate school start	7.0	8.0	6.5
From doctoral program start <sup>c</sup>	5.5	5.8	5.3

\* = value between 0.00% and 0.05%.

<sup>a</sup> Includes respondents who did not report sex.<sup>b</sup> 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.<sup>c</sup> 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.