

Table 8-8**Health sciences research doctorate recipients, statistical profile by sex and major field of doctorate: 2022**

(Number, percent, and median years)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
All doctorate recipients (number) ^a	2,808	623	460	795	930
Sex (%)					
Male	31.1	11.7	48.7	31.7	34.9
Female	68.9	88.3	51.3	68.3	65.1
Unknown	0.0	0.0	0.0	0.0	0.0
Citizenship status (%)					
U.S. citizen or permanent resident	70.3	82.2	41.7	73.7	73.4
Temporary visa holder	23.3	12.0	50.2	21.1	19.5
Unknown	6.4	5.8	8.0	5.2	7.1
Marital status (%)					
Never married	25.8	12.2	41.7	28.3	24.9
Married	47.9	63.6	32.4	48.1	44.8
Marriage-like relationship	8.3	5.8	8.5	10.2	8.2
Separated, divorced, widowed	5.2	D	D	5.0	5.7
Unknown	12.9	D	D	8.4	16.3
Has dependent age 18 or younger (%)	33.3	44.3	17.8	31.7	34.5
Has one or more functional limitations (%)	12.2	12.2	13.3	11.1	12.6
Age at doctorate (median years)	34.5	41.8	30.7	34.0	34.2
Bachelor's in same field as doctorate (%) ^b	47.1	89.0	44.0	29.2	35.7
Master's earned (%)	80.6	88.0	55.1	89.8	79.5
Master's earned at same doctorate institution (%)	31.2	24.6	31.5	35.1	32.0
Time to doctorate (median years)					
Years since earning bachelor's degree	11.2	16.0	8.0	10.9	11.0
From graduate school start	8.7	10.7	6.3	8.5	9.0
From doctoral program start ^c	5.0	5.2	5.0	5.0	5.0
Received tuition remission (%)	72.3	56.4	86.0	76.5	72.8
Male doctorate recipients (number)	874	73	224	252	325
Citizenship status (%)					
U.S. citizen or permanent resident	61.6	79.5	40.2	65.9	68.9
Temporary visa holder	32.0	16.4	53.1	28.6	23.7
Unknown	6.4	4.1	6.7	5.6	7.4
Marital status (%)					
Never married	29.3	16.4	42.4	26.6	25.2
Married	46.6	58.9	34.8	52.4	47.4
Marriage-like relationship	8.6	12.3	7.1	8.7	8.6
Separated, divorced, widowed	2.4	D	D	D	2.5
Unknown	13.2	D	D	D	16.3
Has dependent age 18 or younger (%)	32.9	48.5	21.5	33.3	36.9
Has one or more functional limitations (%)	12.1	18.2	10.5	12.2	11.6
Age at doctorate (median years)	33.3	40.6	31.2	34.4	33.1
Bachelor's in same field as doctorate (%) ^b	39.0	92.9	46.0	27.2	30.9
Master's earned (%)	73.8	91.4	56.1	86.6	70.9

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(Number, percent, and median years)

Characteristic	All health sciences fields	Nursing and nursing science	Pharmacy and pharmaceutical sciences	Public health	Health sciences, other
Master's earned at same doctorate institution (%)	30.9	26.6	30.9	31.8	31.3
Time to doctorate (median years)					
Years since earning bachelor's degree	10.0	13.2	8.2	10.7	9.7
From graduate school start	7.8	10.2	6.6	8.3	7.8
From doctoral program start ^c	5.0	5.3	5.0	5.0	5.0
Received tuition remission (%)	75.6	56.7	85.9	73.3	74.8
Female doctorate recipients (number)	1,934	550	236	543	605
Citizenship status (%)					
U.S. citizen or permanent resident	74.2	82.5	43.2	77.3	75.9
Temporary visa holder	19.4	11.5	47.5	17.7	17.2
Unknown	6.4	6.0	9.3	5.0	6.9
Marital status (%)					
Never married	24.3	11.6	41.1	29.1	24.8
Married	48.4	64.2	30.1	46.0	43.5
Marriage-like relationship	8.1	4.9	9.7	10.9	7.9
Separated, divorced, widowed	6.4	8.2	D	D	7.4
Unknown	12.8	11.1	D	D	16.4
Has dependent age 18 or younger (%)	33.4	43.7	14.3	31.0	33.3
Has one or more functional limitations (%)	12.2	11.3	16.0	10.6	13.1
Age at doctorate (median years)	35.3	42.1	30.2	33.7	35.0
Bachelor's in same field as doctorate (%) ^b	50.8	88.5	42.1	30.2	38.3
Master's earned (%)	83.7	87.5	54.2	91.3	84.0
Master's earned at same doctorate institution (%)	31.3	24.3	32.1	36.5	32.4
Time to doctorate (median years)					
Years since earning bachelor's degree	12.0	16.2	7.6	11.0	12.0
From graduate school start	9.0	10.8	6.3	8.6	9.8
From doctoral program start ^c	5.0	5.1	5.0	5.0	5.0
Received tuition remission (%)	70.8	56.4	86.0	77.9	71.7

D = suppressed to avoid disclosure of confidential information.

^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://nces.nsf.gov/pubs/nces23200>).

Source(s):

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