

**Table 302.—Statistical profile of persons receiving doctor's degrees, by field of study: 1998–99**

Item	All fields	Field of study								
		Education	Engineering	Humanities	Life sciences	Physical sciences <sup>1</sup>		Business and management	Social sciences and psychology	Other professional fields
						Total	Mathematics			
1	2	3	4	5	6	7	8	9	10	11
<b>Doctor's degrees conferred (number) ....</b>	<b>41,140</b>	<b>6,557</b>	<b>5,337</b>	<b>5,468</b>	<b>8,126</b>	<b>6,324</b>	<b>1,085</b>	<b>1,104</b>	<b>7,036</b>	<b>1,160</b>
Sex (percent)										
Men .....	57.3	35.8	85.1	51.1	55.3	76.6	74.4	68.9	45.5	49.8
Women .....	42.7	64.2	14.9	48.9	44.7	23.4	25.6	31.1	54.5	50.2
Racial/ethnic group (percent) <sup>2</sup>										
American Indian .....	0.7	1.1	0.4	0.6	0.5	0.5	0.2	0.7	1.1	1.3
Asian .....	8.6	3.1	18.4	4.8	13.4	11.6	9.9	8.4	5.4	6.7
Black .....	5.9	11.7	3.4	4.2	3.6	2.9	2.0	7.7	6.0	10.2
Hispanic .....	4.2	4.8	2.9	4.7	4.0	2.8	2.5	2.1	5.4	4.6
White .....	80.6	79.3	74.9	85.8	78.5	82.2	85.3	81.1	82.0	77.3
Citizenship (percent)										
United States .....	67.1	82.8	46.4	78.0	63.0	54.4	49.6	63.0	76.1	71.8
Non-U.S., permanent visa .....	5.6	2.7	7.5	5.7	7.4	6.8	6.2	5.9	3.7	4.5
Non-U.S., temporary visa .....	22.0	7.9	41.1	11.7	26.0	33.9	40.9	26.2	13.8	17.3
Unknown .....	5.2	6.5	5.1	4.6	3.6	4.8	3.3	4.9	6.5	6.4
Median age at doctorate (years) .....	33.8	44.3	31.4	35.1	32.1	30.7	30.6	36.1	33.2	39.1
Percent with bachelor's degree in same field as doctorate .....	51.4	34.8	71.2	48.2	47.0	62.7	68.1	34.1	55.8	29.4
Median time lapse from bachelor's to doctorate (years)										
Total time .....	10.4	19.9	8.7	11.7	9.0	8.0	8.0	12.9	9.9	15.0
Registered time .....	7.3	8.2	6.6	8.9	7.0	6.8	6.9	7.8	7.5	8.4
Postdoctoral plans (percent)										
Postdoctoral study plans .....	25.9	5.8	21.1	8.2	56.1	40.1	31.6	3.4	21.4	6.5
Fellowship .....	13.2	1.6	6.6	4.3	31.2	17.9	15.2	0.9	14.6	2.8
Research associateship .....	9.3	1.7	12.7	1.2	17.1	20.1	13.5	1.1	4.0	1.5
Traineeship .....	0.8	0.5	0.8	0.6	1.2	0.5	0.4	0.5	1.0	0.3
Other .....	2.7	1.9	1.0	2.1	6.6	1.7	2.5	1.0	1.8	1.8
Postdoctoral employment .....	63.2	81.5	69.2	80.6	35.5	50.1	59.4	85.1	65.7	79.6
Educational institution <sup>3</sup> .....	34.7	64.5	11.7	62.6	15.9	15.9	33.0	65.7	34.0	49.7
Industry, business .....	17.5	6.0	48.6	7.5	10.5	27.6	19.8	13.9	13.4	10.6
Government .....	4.6	4.1	6.1	1.5	4.6	3.9	2.3	2.2	7.1	5.0
Nonprofit organization .....	3.2	3.5	1.0	4.0	2.3	0.8	0.9	1.4	6.5	10.0
Other and unknown .....	3.1	3.4	1.9	5.0	2.1	1.9	3.3	2.1	4.6	4.2
Postdoctoral plans unknown .....	10.9	12.7	9.7	11.2	8.4	9.8	9.0	11.4	12.9	14.0
Primary postdoctoral activity (percent) <sup>4</sup>										
Research and development .....	31.3	6.6	70.4	7.2	44.7	57.0	38.1	31.9	29.3	13.0
Teaching .....	37.9	40.2	10.6	75.3	29.0	25.3	47.6	51.0	32.1	53.7
Administration .....	12.3	37.9	2.3	5.3	6.0	2.4	0.9	5.6	6.5	10.9
Professional services .....	13.0	10.7	10.5	6.2	13.9	8.5	6.9	7.4	27.2	16.0
Other .....	3.2	1.7	4.3	3.2	3.5	4.2	2.2	2.5	3.2	3.6
Activity unknown .....	2.4	2.8	1.9	2.5	2.8	2.6	4.3	1.7	1.7	2.9
Region of employment after doctorate (percent) <sup>4</sup>										
New England .....	6.4	4.1	6.6	8.0	7.1	7.7	5.4	6.3	7.1	4.4
Middle Atlantic .....	14.2	13.2	15.0	14.5	9.8	16.8	17.6	14.3	15.8	12.9
East North Central .....	13.9	15.8	13.0	16.0	11.0	12.4	15.4	15.0	13.2	13.5
West North Central .....	6.7	8.7	4.1	7.9	8.1	4.7	7.0	4.7	6.1	6.5
South Atlantic .....	16.8	19.5	12.4	14.2	18.1	14.1	13.7	17.8	19.5	18.9
East South Central .....	4.7	6.5	2.9	5.7	4.3	3.1	3.0	6.8	3.8	6.1
West South Central .....	8.8	9.9	9.3	8.6	7.2	9.1	9.3	11.3	7.2	8.6
Mountain .....	5.2	6.2	5.5	4.5	4.7	5.4	5.7	3.6	5.2	4.8
Pacific and insular .....	13.6	10.7	20.5	11.6	13.7	17.9	12.8	7.7	12.0	11.4
U.S., region unknown .....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foreign .....	9.4	5.2	10.5	8.6	15.7	8.6	9.8	12.0	9.9	12.6
Region unknown .....	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.5	0.1	0.3

<sup>1</sup> Includes mathematics, computer science, physics and astronomy, chemistry, and earth, atmospheric, and marine sciences.

<sup>2</sup> Distribution by race/ethnicity based on U.S. citizens and those with permanent visas only.

<sup>3</sup> Includes 2-year, 4-year, and foreign colleges and universities, medical schools, and elementary/secondary schools.

<sup>4</sup> Includes only recipients with definite employment plans.

NOTE: The above classification of degrees by field differs somewhat from that in most publications of the National Center for Education Statistics (NCES). The major differences are that history is included under humanities rather than social sciences and

that psychology is included under social sciences. Includes Ph.D., Ed.D., and comparable degrees at the doctoral level. Excludes first-professional degrees, such as M.D., D.D.S., and D.V.M. The number of degrees also differs slightly from that reported in the NCES "Completions" survey. The above tabulation excludes some non-research doctorate degrees such as doctor's degrees in theology. Total includes a small number of graduates not reported by field of study. Detail may not sum to totals due to rounding.

SOURCE: National Academy of Sciences, National Research Council, Office of Scientific and Engineering Personnel, *Summary Report 1999: Doctorate Recipients from United States Universities*. (This table was prepared May 2001.)