

TABLE 2-1

**Sex, ethnicity, and race of early career doctorates, by position type, employment setting, and doctoral degree characteristics: 2017**

(Percent distribution)

Selected characteristic	Number of early career doctorates	Sex		Ethnicity and race					
		Female	Male	Hispanic or Latino	Not Hispanic or Latino				
					Asian	Black or African American	White	Other race and ethnicity	
All early career doctorates	186,700	47.9	52.1	7.3	20.1	5.4	64.7	2.5	
Position type <sup>a</sup>									
Faculty	125,600	51.2	48.8	7.4	15.4	6.0	68.4	2.7	
Tenured faculty	27,300	46.4	53.6	6.4	15.1	4.5	72.1	1.9	
Tenure-track faculty	58,500	48.6	51.4	8.1	18.7	5.5	64.8	2.9	
Non-tenure track faculty with rank	13,000	60.8	39.2	7.0	14.9	7.4	69.4	1.3	
Other faculty, no rank or tenure	26,800	57.0	43.0	7.2	9.0	7.9	72.2	3.7	
Postdoctoral scholar	36,400	36.3	63.7	8.5	38.8	2.2	49.2	1.3	
Research scientist or nonfaculty researcher	10,900	33.2	66.8	3.0	28.2	2.5	63.8	2.5	
Other positions	13,800	60.4	39.6	5.7	7.0	10.8	72.5	3.9	
Employment setting									
Academic institution <sup>b</sup>	178,900	49.0	51.0	7.4	19.6	5.6	64.8	2.5	
Very high research activity university	83,000	44.1	55.9	7.8	25.6	4.1	60.0	2.5	
High research activity university	27,500	49.6	50.4	8.4	16.5	3.7	68.9	2.4	
Other college or university	68,500	54.8	45.2	6.5	13.6	8.2	69.1	2.6	
FFRDC	7,800	21.9	78.1	4.1	31.6	0.8	61.5	2.0	
Doctoral degree type									
Professional degree or doctoral equivalent <sup>c</sup>	15,700	70.2	29.8	5.8	8.0	8.2	76.6	1.4	
Research degree	171,100	45.9	54.1	7.4	21.2	5.2	63.6	2.6	
Origin of doctoral degree									
U.S. degree	161,800	49.9	50.1	6.7	17.6	6.1	66.9	2.7	
Non-U.S. degree	24,900	35.1	64.9	10.8	36.5	1.2	50.5	1.0	
Years since doctoral degree									
1 year or less	36,900	45.4	54.6	7.6	23.4	5.1	60.5	3.3	
2–5 years	82,800	48.4	51.6	7.1	21.1	5.5	63.9	2.4	
6–10 years	67,000	48.7	51.3	7.2	17.1	5.5	68.0	2.2	
Field of doctoral degree									
Science and engineering	112,600	40.0	60.0	7.5	25.0	3.8	61.6	2.1	
Biological, agricultural, and environmental life sciences	28,900	45.3	54.7	9.6	27.8	2.0	58.2	2.4	
Agricultural and environmental life sciences	3,900	43.9	56.1	8.5	25.6	2.5	60.3	3.0	
Biological and biomedical sciences	24,900	45.5	54.5	9.7	28.2	2.0	57.8	2.3	
Engineering	17,200	22.9	77.1	5.1	37.8	4.0	51.3	1.9	
Mathematics and computer sciences	12,100	28.1	71.9	5.9	31.8	1.8	59.3	1.2	
Computer and information sciences	5,900	22.3	77.7	4.8	39.7	2.8	51.8	D	
Mathematics and statistics	6,200	33.5	66.5	6.9	24.3	D	66.4	S	
Multidisciplinary fields and science and engineering related fields	2,600	48.0	52.0	4.7	17.8	S	63.6	2.9	

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Physical sciences, geosciences, atmospheric sciences, and ocean sciences	20,600	29.7	70.3	5.4	28.5	0.7	63.8	1.7
Psychology and social sciences	31,200	55.1	44.9	9.1	11.1	7.5	69.8	2.5
Psychology	8,700	68.5	31.5	7.8	9.6	7.2	72.0	3.3
Social sciences	22,400	49.9	50.1	9.6	11.6	7.6	69.0	2.2
Health	13,400	73.4	26.6	5.2	11.7	7.3	73.6	2.3
Non-science and engineering	60,700	57.0	43.0	7.3	12.9	8.0	68.5	3.3
Education	21,100	67.8	32.2	7.4	8.4	9.8	71.5	2.9
Humanities	15,700	51.6	48.4	9.8	5.5	5.1	75.0	4.6
Other non-science and engineering	23,900	51.1	48.9	5.6	21.7	8.4	61.5	2.8

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

FFRDC = federally funded research and development center.

<sup>a</sup> Other faculty, no rank or tenure, positions includes all other faculty positions such as instructors, lecturers, and adjuncts. Postdoctoral scholar positions are temporary positions in academe, industry, government, or a nonprofit organization primarily for gaining additional education and training in research. Other positions are diverse but are typically university administrators and staff.

<sup>b</sup> Academic institutions include U.S. academic institutions in the Survey of Graduate Students and Postdoctorates in Science and Engineering that grant master's and doctorate degrees in science, engineering, and health-related fields.

<sup>c</sup> Includes medical and related degrees, such as Medical Doctors (MD), Doctor of Pharmacy (PharmD), and other professional degrees such as Doctor of Education (EdD).

**Note(s):**

Counts are rounded to the nearest 100. Percentages are calculated from unrounded counts and rounded to the nearest 10th of a percent. Details may not add to totals because of rounding.

**Source(s):**

National Center for Science and Engineering Statistics, Early Career Doctorates Survey, 2017.