

TABLE 3-10

Performance plan and evaluation of early career doctorates with supervisors, by position type, employment setting, and doctoral degree characteristics: 2017

(Percent)

Selected characteristic	Number of early career doctorates with supervisors	Had written performance plan	Of those with written performance plan, percent whose plan reflected personal career development goals a great deal	Has had formal performance evaluation
Early career doctorates with supervisors	155,800	55.3	49.7	75.5
Position type ^a				
Faculty	96,300	52.3	50.4	84.1
Tenured faculty	19,800	49.5	49.4	90.4
Tenure-track faculty	40,900	57.7	57.2	92.1
Non-tenure track faculty with rank	12,000	58.2	53.1	86.1
Other faculty, no rank or tenure	23,500	42.2	33.1	63.6
Postdoctoral scholar	35,900	54.7	54.1	46.7
Research scientist or nonfaculty researcher	10,300	67.8	40.9	82.6
Other positions	13,300	69.5	42.8	85.7
Employment setting				
Academic institution ^b	148,200	54.5	49.8	74.9
Very high research activity university	67,400	54.5	50.2	64.7
High research activity university	22,500	54.3	48.7	78.4
Other college or university	58,300	54.5	49.7	85.3
FFRDC	7,600	71.7	47.6	86.7
Doctoral degree type				
Professional degree or doctoral equivalent ^c	15,100	59.0	43.3	78.5
Research degree	140,800	54.9	50.4	75.2
Years since doctoral degree				
1 year or less	33,400	56.0	54.2	63.2
2–5 years	70,100	54.9	49.3	75.0
6–10 years	52,300	55.6	47.2	84.0
Origin of doctoral degree				
U.S. degree	134,000	54.6	49.5	77.9
Non-U.S. degree	21,800	59.7	50.5	60.5
Field of doctoral degree				
Science and engineering	91,500	56.2	50.3	70.5
Biological, agricultural, and environmental life sciences	25,900	58.4	48.4	62.6
Agricultural and environmental life sciences	3,500	65.5	43.3	66.3
Biological and biomedical sciences	22,300	57.2	49.3	62.1
Engineering	14,500	63.2	48.1	76.1
Mathematics and computer sciences	9,000	55.8	48.2	72.9
Computer and information sciences	4,500	62.5	48.0	76.7
Mathematics and statistics	4,400	48.8	48.4	68.9

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Multidisciplinary fields and science and engineering related fields	2,000	68.2	40.5	76.3
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	17,300	54.8	50.2	65.2
Psychology and social sciences	23,000	49.7	56.5	78.4
Psychology	6,300	51.3	63.3	75.1
Social sciences	16,700	49.1	53.9	79.7
Health	12,500	66.8	57.9	80.9
Non-science and engineering	51,900	51.0	45.9	83.0
Education	19,600	53.6	43.1	79.4
Humanities	12,400	46.0	44.0	83.2
Other non-science and engineering	19,900	51.5	49.7	86.3
Position tenure				
1 year or less	22,200	48.1	54.7	64.9
More than 1 year but less than 5 years	92,300	57.7	50.6	72.9
5 years or more	41,300	54.1	44.9	87.0

FFRDC = federally funded research and development center.

^a 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.

^b 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.

^c 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. Includes only early career doctorates with a supervisor.

Source(s):

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