

TABLE 3-9

Interaction between supervisors and early career doctorates, by demographic characteristics: 2017

(Percent distribution)

Selected characteristic	Number of early career doctorates	Provided appropriate recognition for work			Encouraged collaboration with others			Encouraged increasing independence in research or work			Provided opportunities to work on grant proposals			Supported publishing papers or presenting work			Provided career guidance			Encouraged work-life balance		
		Disagree	Neither agree nor disagree	Agree	Disagree	Neither agree nor disagree	Agree	Disagree	Neither agree nor disagree	Agree	Disagree	Neither agree nor disagree	Agree	Disagree	Neither agree nor disagree	Agree	Disagree	Neither agree nor disagree	Agree	Disagree	Neither agree nor disagree	Agree
Early career doctorates with supervisors	155,800	15.1	8.9	76.0	14.0	19.1	66.9	12.7	21.3	66.0	21.5	26.9	51.6	9.6	11.5	79.0	20.7	20.4	59.0	17.9	23.0	59.0
Sex																						
Female	75,000	16.6	9.5	73.8	15.4	21.5	63.1	13.0	22.8	64.2	24.5	27.6	47.9	10.6	12.3	77.1	23.7	20.6	55.8	20.2	21.6	58.2
Male	80,900	13.7	8.3	78.1	12.6	16.9	70.5	12.4	20.0	67.6	18.8	26.2	55.0	8.6	10.6	80.7	17.9	20.2	61.9	15.9	24.4	59.7
Citizenship and sex																						
U.S. citizen or permanent resident	128,200	15.6	9.4	75.0	14.5	20.8	64.8	13.1	23.1	63.8	22.1	28.6	49.4	9.7	12.6	77.7	21.1	21.3	57.6	17.9	23.4	58.6
Female	66,600	17.2	9.9	73.0	15.8	22.5	61.6	13.4	23.7	62.9	24.9	28.3	46.7	10.8	13.0	76.2	23.9	21.0	55.1	20.1	21.6	58.2
Male	61,600	14.0	8.9	77.1	13.0	18.9	68.1	12.7	22.6	64.7	19.0	28.8	52.2	8.6	12.1	79.3	18.0	21.6	60.4	15.6	25.4	59.0
Temporary visa holder	27,700	12.7	6.3	81.0	11.6	11.3	77.1	11.0	12.9	76.1	19.0	19.2	61.8	8.9	6.2	84.9	18.7	16.0	65.3	18.0	21.1	60.9
Female	8,300	12.5	6.6	80.9	11.7	13.3	74.9	10.1	15.4	74.5	21.0	22.2	56.8	9.1	6.8	84.1	21.3	17.2	61.5	20.5	21.2	58.3
Male	19,300	12.7	6.2	81.1	11.6	10.4	78.0	11.4	11.9	76.7	18.1	17.9	64.0	8.8	6.0	85.2	17.6	15.6	66.9	16.9	21.1	62.0
Ethnicity and race																						
Hispanic or Latino	11,000	13.8	12.2	74.0	14.3	19.8	65.9	12.5	20.1	67.5	20.0	25.4	54.6	10.2	9.6	80.1	18.3	21.4	60.4	19.1	23.3	57.6
Not Hispanic or Latino																						
Asian	31,600	14.3	6.7	79.0	13.7	12.4	73.8	13.0	14.5	72.4	19.5	23.6	56.8	11.4	9.3	79.4	17.0	18.4	64.5	15.8	22.7	61.5
Black or African American	8,900	13.2	11.7	75.1	11.7	25.7	62.6	11.7	26.1	62.1	21.7	28.9	49.4	10.9	13.0	76.2	21.2	24.7	54.1	20.0	24.1	55.9
White	100,600	15.6	8.8	75.6	14.1	20.6	65.3	12.6	23.0	64.4	22.1	27.9	50.0	8.7	12.3	79.0	21.8	20.6	57.6	18.1	23.2	58.8
Other race and ethnicity	3,800	16.2	12.5	71.3	16.8	17.6	65.7	15.1	25.7	59.2	27.9	26.9	45.3	12.9	9.9	77.2	25.6	17.5	56.8	24.4	19.2	56.4
Age quartile																						
32 years and under	34,000	12.4	7.2	80.4	11.4	10.9	77.7	9.4	14.0	76.7	19.2	23.0	57.9	7.4	6.1	86.5	17.2	13.0	69.8	18.0	17.8	64.2
33–35 year	40,800	14.5	7.4	78.1	13.3	18.4	68.3	12.2	20.0	67.9	20.1	24.5	55.4	8.0	10.5	81.5	19.1	18.3	62.5	17.4	22.1	60.4
36–40 years	32,800	15.1	9.3	75.6	12.6	20.8	66.6	12.6	22.3	65.0	19.3	27.9	52.8	9.3	10.8	79.8	20.9	21.4	57.8	16.1	24.0	59.9
41 years or older	48,300	17.5	11.0	71.5	17.3	24.3	58.5	15.5	27.0	57.5	25.9	31.0	43.1	12.6	16.4	71.0	24.2	26.5	49.2	19.6	26.8	53.6
Marital status																						
Never married	25,400	15.9	9.1	75.0	14.4	17.7	67.9	13.0	18.9	68.1	22.4	26.2	51.5	8.6	9.0	82.4	20.4	15.9	63.7	20.8	24.5	54.7

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Married	112,300	14.4	8.7	76.9	13.3	19.1	67.7	12.0	21.5	66.5	20.6	26.9	52.5	9.4	11.8	78.8	19.8	21.1	59.1	16.6	22.5	60.8
Marriage-like relationship	9,100	18.8	7.8	73.4	18.9	14.3	66.8	16.7	18.2	65.2	27.1	23.8	49.2	9.4	10.5	80.1	29.2	17.4	53.5	23.5	19.9	56.6
Separated, divorced, widowed	8,900	17.5	11.6	70.9	16.5	28.1	55.4	16.4	29.1	54.5	25.6	32.2	42.2	15.2	15.2	69.6	23.9	27.3	48.8	20.7	28.3	51.0
Dependents																						
With dependents	79,100	14.4	9.2	76.4	13.3	20.5	66.2	13.1	21.5	65.4	20.3	27.7	52.1	9.5	11.8	78.7	19.8	21.4	58.7	15.4	22.3	62.3
Without dependents	76,700	15.8	8.5	75.7	14.6	17.6	67.7	12.3	21.1	66.6	22.8	26.1	51.1	9.7	11.1	79.3	21.5	19.3	59.2	20.6	23.8	55.6
Disability status																						
With disability	44,100	16.6	10.2	73.2	15.3	22.4	62.3	13.4	23.4	63.2	22.8	29.4	47.8	10.1	13.0	76.9	21.8	22.6	55.6	20.4	24.5	55.1
Without disability	111,800	14.5	8.3	77.2	13.4	17.8	68.8	12.4	20.5	67.1	21.0	25.9	53.1	9.4	10.8	79.8	20.2	19.5	60.3	17.0	22.5	60.6

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.