

TABLE R-1

**Retirement status by employment status among doctoral scientists and engineers, by selected demographic characteristics and field of doctorate: 2023**

(Number, percent, and SE)

Characteristic	Total		Employed				Not employed			
			Never retired		Previously retired <sup>a</sup>		Not retired <sup>b</sup>		Retired <sup>c</sup>	
	Number	SE	Percent	SE	Percent	SE	Percent	SE	Percent	SE
U.S. residing doctorate recipient	1,058,950	1,925	79.2	0.20	6.6	0.15	2.4	0.10	11.8	0.15
Sex										
Male	654,750	1,675	78.0	0.30	7.3	0.20	1.7	0.10	13.0	0.20
Female	404,200	1,200	81.1	0.25	5.4	0.20	3.7	0.20	9.8	0.20
Ethnicity and race										
Hispanic or Latino <sup>d</sup>	52,400	700	85.4	0.70	5.1	0.45	3.0	0.30	6.5	0.50
Not Hispanic or Latino <sup>e</sup>										
American Indian or Alaska Native	2,050	150	72.6	4.00	11.8	2.65	5.9	2.35	9.7	2.55
Asian	264,150	1,675	87.9	0.45	3.3	0.25	2.6	0.20	6.2	0.30
Black or African American	40,200	475	83.6	0.80	6.1	0.60	2.8	0.40	7.6	0.55
White	682,400	1,700	75.0	0.25	8.0	0.20	2.2	0.10	14.7	0.20
Other race <sup>f</sup>	17,750	550	85.0	1.40	4.9	0.90	3.1	0.45	7.0	1.05
Age										
Under 55	626,850	2,050	96.1	0.15	0.9	0.10	2.7	0.15	0.2	0.05
55–60	128,600	1,550	87.5	0.55	5.9	0.40	2.4	0.25	4.2	0.35
61–65	101,500	1,350	67.1	0.95	14.2	0.60	2.4	0.30	16.3	0.75
66–70	103,800	1,325	36.4	0.80	20.2	0.65	1.6	0.25	41.8	0.80
71–75	98,200	1,200	18.1	0.75	21.8	0.75	1.3	0.25	58.8	0.90
Disability status										
With disability	122,350	1,675	68.2	0.80	9.4	0.50	3.9	0.35	18.5	0.55
Without disability	936,600	2,400	80.7	0.20	6.2	0.15	2.2	0.10	10.9	0.15
Field of study										
Science	787,000	1,825	78.2	0.25	6.7	0.15	2.5	0.10	12.6	0.15
Biological, agricultural, and environmental life sciences	274,850	950	80.2	0.35	5.4	0.20	2.8	0.20	11.6	0.30
Computer and information sciences	40,300	450	86.2	0.80	4.1	0.45	2.4	0.50	7.3	0.60
Mathematics and statistics	44,650	475	80.6	0.95	5.6	0.55	2.9	0.45	10.9	0.65
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	167,650	1,025	78.6	0.55	6.0	0.35	2.4	0.20	13.0	0.45
Psychology	135,750	625	71.8	0.55	10.8	0.50	2.2	0.25	15.2	0.50
Social sciences	123,800	825	76.5	0.60	7.6	0.40	2.2	0.25	13.6	0.45
Engineering	219,400	1,125	84.0	0.45	5.7	0.30	2.1	0.20	8.3	0.35
Health	52,600	475	75.1	0.75	8.5	0.65	2.4	0.35	13.9	0.70
Non-U.S. residing doctorate recipient	163,450	1,875	81.8	0.60	7.7	0.40	2.9	0.25	7.6	0.45
Sex										
Male	116,550	1,700	80.8	0.75	8.4	0.50	2.3	0.30	8.5	0.55

TABLE R-1

**Retirement status by employment status among doctoral scientists and engineers, by selected demographic characteristics and field of doctorate: 2023**

(Number, percent, and SE)

Characteristic	Total		Employed				Not employed			
			Never retired		Previously retired <sup>a</sup>		Not retired <sup>b</sup>		Retired <sup>c</sup>	
	Number	SE	Percent	SE	Percent	SE	Percent	SE	Percent	SE
Female	46,900	1,125	84.3	0.90	5.9	0.60	4.4	0.55	5.3	0.60
Age										
Under 55	97,050	1,500	94.2	0.55	2.1	0.40	3.5	0.40	0.1	0.10
55–60	23,600	925	88.3	1.30	5.3	0.95	2.2	0.60	4.1	0.95
61–65	21,100	875	74.0	2.05	13.4	1.45	1.6	0.55	11.0	1.35
66–70	13,050	625	31.1	2.50	31.0	2.80	2.2	1.00	35.7	2.90
71–75	8,650	550	21.2	3.10	27.4	2.95	1.2	0.55	50.2	3.45
Field of study										
Science	114,500	1,700	82.2	0.70	7.4	0.50	2.8	0.30	7.6	0.50
Engineering	42,600	1,150	81.3	1.10	8.1	0.90	2.7	0.55	7.9	0.85
Health	6,350	425	79.2	3.60	9.3	2.35	5.6	2.20	5.9	1.65

SE = standard error.

<sup>a</sup> Employed and previously retired includes individuals who were working during the survey reference week and had retired previously from any position.<sup>b</sup> Not employed and not retired includes individuals who were unemployed or not seeking work because of reasons other than retired.<sup>c</sup> Not employed, retired individuals include those who reported not working and being retired regardless of whether they were currently seeking work or had another reason for not working.<sup>d</sup> Hispanic or Latino may be of any race.<sup>e</sup> American Indian or Alaska Native, Asian, Black or African American, and White are single race.<sup>f</sup> Other race includes individuals who reported being Native Hawaiian or Other Pacific Islander, single race, and those who reported being more than one race.**Note(s):**

Numbers are rounded to the nearest 50. Standard errors of numbers are rounded up to the nearest 25. Percentages are rounded to the nearest 0.1%. Standard errors of unrounded percentages (based on unrounded counts) are rounded up to the nearest multiple of 0.05%. Detail may not add to total because of rounding. Residence location is based on reported living location on 1 February 2023.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2023.