

Table 2-2

## Postgraduation commitment of research doctorate recipients, by sex, citizenship status, ethnicity, and race: Selected years, 1992–2022

(Number and percent)

Commitment status and year	Total <sup>a</sup>	Sex		Citizenship status		U.S. citizens and permanent residents							Ethnicity not reported
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						
							American Indian or Alaska Native	Asian <sup>b</sup>	Black or African American	White	More than one race	Other race or race not reported <sup>c</sup>	
<b>All doctorate recipients (number)</b>													
1992	38,886	24,232	14,435	28,005	9,980	909	149	1,755	1,109	23,626	na	151	306
1997	42,539	24,942	17,242	31,097	9,194	1,203	167	3,109	1,476	23,964	na	509	669
2002	40,031	21,806	18,140	27,737	9,747	1,370	142	2,091	1,666	21,035	269	387	777
2007	48,132	26,202	21,904	29,501	15,123	1,655	140	2,308	1,891	22,067	505	304	631
2012	50,943	27,362	23,526	32,981	14,784	2,144	104	2,943	2,055	24,010	807	293	625
2017	54,552	29,446	25,084	35,736	16,288	2,536	109	3,499	2,400	24,844	1,015	471	862
2022	57,596	30,522	27,069	35,311	19,633	3,354	98	3,586	2,647	23,320	1,210	425	671
<b>All postgraduation commitments</b>													
1992	35,803	22,405	13,393	26,704	9,093	843	141	1,620	1,019	22,740	na	130	211
1997	37,872	22,492	15,362	29,168	8,648	1,095	156	2,878	1,387	23,009	na	473	170
2002	36,058	19,749	16,306	26,736	9,281	1,312	140	2,035	1,604	20,660	268	351	366
2007	43,369	23,578	19,790	28,656	14,613	1,597	131	2,276	1,832	21,733	502	284	301
2012	46,544	24,957	21,583	32,096	14,288	2,070	102	2,889	2,007	23,686	803	271	268
2017	49,518	26,841	22,676	33,527	15,814	2,401	100	3,193	2,286	24,111	1,014	303	119
2022	52,232	27,771	24,456	33,465	18,521	3,202	83	3,424	2,522	22,561	1,191	301	181
<b>Definite commitment for employment or postdoctoral training (%)</b>													
1992	69.3	68.6	70.3	72.2	60.6	68.4	70.2	60.6	69.6	73.4	na	65.4	63.0
1997	67.4	68.1	66.6	68.7	63.2	68.4	74.4	62.9	66.6	69.6	na	65.1	67.1
2002	72.5	73.8	70.9	73.2	70.5	71.6	75.7	68.4	68.0	74.4	68.3	71.2	68.9
2007	68.7	69.6	67.7	70.2	65.9	68.4	67.2	63.1	64.2	71.7	70.3	66.5	66.8
2012	65.9	67.4	64.1	66.4	64.7	61.4	67.6	59.4	55.6	68.6	68.4	55.7	66.8
2017	66.7	67.4	65.8	67.1	65.7	66.8	64.0	63.1	62.3	68.3	65.5	63.7	62.2
2022	73.2	73.7	72.5	72.6	74.0	72.2	81.9	68.5	70.6	73.6	74.0	62.8	65.2
<b>No definite commitment for employment or postdoctoral training (%)<sup>d</sup></b>													
1992	30.7	31.4	29.7	27.8	39.4	31.6	29.8	39.4	30.4	26.6	na	34.6	37.0
1997	32.6	31.9	33.4	31.3	36.8	31.6	25.6	37.1	33.4	30.4	na	34.9	32.9
2002	27.5	26.2	29.1	26.8	29.5	28.4	24.3	31.6	32.0	25.6	31.7	28.8	31.1
2007	31.3	30.4	32.3	29.8	34.1	31.6	32.8	36.9	35.8	28.3	29.7	33.5	33.2
2012	34.1	32.6	35.9	33.6	35.3	38.6	32.4	40.6	44.4	31.4	31.6	44.3	33.2
2017	33.3	32.6	34.2	32.9	34.3	33.2	36.0	36.9	37.7	31.7	34.5	36.3	37.8
2022	26.8	26.3	27.5	27.4	26.0	27.8	18.1	31.5	29.4	26.4	26.0	37.2	34.8

na = not applicable; doctorate recipients were instructed to indicate only one race.

<sup>a</sup> Includes doctorate recipients who did not report sex or citizenship status.

<sup>b</sup> Includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.

<sup>c</sup> Before 2001, this category included doctorate recipients who selected more than one race. Since 2001, this category has included Native Hawaiians or Other Pacific Islanders, who previously had been included in the category Asian.

<sup>d</sup> Includes doctorate recipients who indicated "other" in all years, doctorate recipients who indicated "do not plan to work or study" in 2004 and later years, and doctorate recipients who indicated definite plans for "other full-time degree program" in 2007 and later years.

**Note(s):**

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. Due to rounding, percentages may not sum to 100.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.