

TABLE 2-2  
Postgraduation commitment of research doctorate recipients, by sex, citizenship status, ethnicity, and race: Selected years, 1993–2023

(Number and percent)

Commitment status and year	Total <sup>a</sup>	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							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>	
All doctorate recipients (number)													
1993	39,800	24,384	15,121	28,722	9,964	974	120	2,005	1,278	24,040	na	135	170
1998	42,636	24,628	17,847	31,204	9,461	1,332	190	2,728	1,603	24,284	na	416	651
2003	40,762	22,256	18,506	28,170	10,597	1,435	136	2,033	1,723	21,162	363	354	964
2008	48,776	26,271	22,494	30,844	15,261	1,773	115	2,507	1,961	22,835	506	343	804
2013	52,703	28,326	24,365	33,964	15,674	2,135	119	2,892	2,172	24,749	858	279	760
2018	55,078	29,742	25,308	35,349	17,582	2,572	115	3,302	2,449	24,924	1,100	371	516
2023	57,862	30,356	27,499	35,566	19,393	3,449	115	3,828	2,725	23,057	1,296	459	637
All postgraduation commitments (number)													
1993	36,546	22,534	14,006	27,366	9,170	918	113	1,839	1,181	23,120	na	110	85
1998	38,244	22,168	16,041	29,377	8,799	1,212	173	2,579	1,487	23,250	na	388	288
2003	36,868	20,192	16,676	26,824	9,980	1,364	124	1,979	1,614	20,700	362	335	346
2008	44,018	23,611	20,407	29,566	14,377	1,647	111	2,404	1,873	22,311	496	317	407
2013	47,836	25,717	22,118	32,771	14,925	2,052	115	2,845	2,110	24,305	852	250	242
2018	50,338	27,265	23,073	33,652	16,530	2,433	101	3,180	2,332	24,046	1,099	293	168
2023	52,109	27,420	24,683	33,702	18,143	3,255	94	3,697	2,597	22,255	1,283	335	186
Definite commitment for employment or postdoctoral training (%)													
1993	67.0	66.2	68.2	70.1	57.8	68.2	67.3	59.2	65.1	71.4	na	61.8	56.5
1998	69.7	70.5	68.5	71.0	65.5	70.3	62.4	66.2	65.6	72.2	na	63.1	63.9
2003	71.3	72.3	70.2	72.5	68.2	70.6	66.1	65.9	69.0	73.8	70.7	63.6	68.2
2008	69.2	70.1	68.2	70.6	66.4	65.9	73.9	61.9	65.0	72.5	67.9	64.7	64.4
2013	62.6	64.0	61.1	63.7	60.3	58.0	58.3	55.0	55.6	66.1	60.4	60.4	59.5
2018	68.2	69.0	67.2	68.2	68.0	66.6	66.3	63.8	62.5	69.5	69.6	68.9	64.3
2023	73.6	74.0	73.3	72.3	76.0	71.2	80.9	69.7	71.0	73.1	74.0	64.5	69.9
No definite commitment for employment or postdoctoral training (%) <sup>d</sup>													
1993	33.0	33.8	31.8	29.9	42.2	31.8	32.7	40.8	34.9	28.6	na	38.2	43.5
1998	30.3	29.5	31.5	29.0	34.5	29.7	37.6	33.8	34.4	27.8	na	36.9	36.1
2003	28.7	27.7	29.8	27.5	31.8	29.4	33.9	34.1	31.0	26.2	29.3	36.4	31.8
2008	30.8	29.9	31.8	29.4	33.6	34.1	26.1	38.1	35.0	27.5	32.1	35.3	35.6
2013	37.4	36.0	38.9	36.3	39.7	42.0	41.7	45.0	44.4	33.9	39.6	39.6	40.5
2018	31.8	31.0	32.8	31.8	32.0	33.4	33.7	36.2	37.5	30.5	30.4	31.1	35.7
2023	26.4	26.0	26.7	27.7	24.0	28.8	19.1	30.3	29.0	26.9	26.0	35.5	30.1

na = not applicable; doctorate recipients were instructed to indicate only one race before 2001.

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

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

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

<sup>d</sup> No definite commitment for employment or postdoctoral training 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.