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APPENDIX A:

DATA ELEMENT AVAILABILITY BY YEAR

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TABLE A-1. Graduate students, by enrollment status, sex, citizenship, and race and ethnicity: 1972–2022

| Data availability, by year | 1972 | 1973–77 | 1978 | 1979 | 1980–92 | 1993–98 | 1999–2007 | 2008–17old | Counts found in ___ variables | 2017–22 | Counts found in ___ variables |
|--|------|---------|------|------|---------|---------|-----------|------------|-------------------------------|---------|-------------------------------|
| Master's students ^a | | | | | | | | | | X | ma_* |
| Doctoral students ^a | | | | | | | | | | X | dr_* |
| Part-time graduate students | X | X | X | X | X | X | X | X | | X | |
| By sex | | | | X | X | X | X | X | | X | |
| By citizenship and race and ethnicity ^{b,c} | | | | | X | X | X | X | | X | |
| By sex, citizenship, and race and ethnicity ^{c,d} | | | | | | X | X | X | pt_* | X | *pt_* |
| Full-time graduate students | X | X | X | X | X | X | X | X | | X | |
| By sex | X | X | | X | X | X | X | X | | X | |
| By citizenship, and race and ethnicity ^c | | | | | X | X | X | X | | X | |
| By sex, citizenship, and race and ethnicity ^{c,d} | | | | | | X | X | X | ft_* | X | *ft_* |
| First-time, full-time graduate students | | X | X | X | X | X | X | X | | X | |
| By sex | | | | | X | X | X | X | | X | |
| By citizenship and race and ethnicity ^e | | | | | | | X | X | | X | |
| By sex, citizenship, and race and ethnicity ^e | | | | | | | X | X | ft_frst_* | X | *ft_frst_* |
| Sex | | | | | | | | | | | |
| Total | X | X | X | X | X | X | X | X | *_tot_* | X | *_tot_* |
| Men | | | | X | X | X | X | X | *_men_* | X | *_men_* |
| Women | | | | X | X | X | X | X | *_wmen_* | X | *_wmen_* |
| Citizenship and race and ethnicity categories collected | | | | | | | | | | | |
| Total | X | X | X | X | X | X | X | X | *_all_races_v | X | *_all_races_v |
| U.S. citizens ^e | | | | | | | | | | | |
| White, non-Hispanic | | | | | X | X | X | X | *_white_v | X | *_white_v |
| Asian or Pacific Islander | | | | | X | X | | | *_asian_pi_98_v | | |
| Asian | | | | | | | X | X | *_asian_v | X | *_asian_v |
| Native Hawaiian or Pacific Islander | | | | | | | X | X | *_pacific_v | X | *_pacific_v |
| Black, non-Hispanic | | | | | X | X | X | X | *_black_v | X | *_black_v |
| Hispanic (one or more races) | | | | | X | X | | X | *_hisp_v | X | *_hisp_v |
| Hispanic, one race | | | | | | | X | | | | |
| Hispanic, more than one race | | | | | | | X | | Sum in *_hisp_v | | |
| American Indian or Alaska Native | | | | | X | X | X | X | *_indian_v | X | *_indian_v |
| Other or unknown ^b | | | | | X | | | | *_unknown_v | | |
| Other | | | | | | X | | | *_other_98_v | | |
| Unknown | | | | | | X | X | X | *_unknown_v | X | *_unk_v |
| More than one race (non-Hispanic) | | | | | | | X | X | *_multi_non_hisp_v | X | *_multi_v |
| Foreign ^{b,f} | | | | | X | X | X | X | *_forgn_v | X | *_forgn_v |

^a Starting in 2017, data were collected separately for master's and doctoral students; prior to 2017, graduate student data combine master's and doctoral students.

^b In 1980 and 1981, foreign part-time students and part-time students of other or unknown race were collected within a single "foreign, other, or unknown" category. In 1982, this category was split into "foreign" and "other or unknown," making it match the categories used for full-time students.

^c In 1999, some part-time and full-time graduate students are classified as Asian or Pacific Islanders (*_asian_pi_98_v) or of "Other" race (*_other_98_v), even though these categories were not used in the 1999 survey.

^d Part-time and full-time graduate student citizenship and race and ethnicity by sex data are incomplete in 1993, the first year that these data were collected.

^e First-time, full-time graduate student citizenship and race and ethnicity data are incomplete in 1999, the first year that these data were collected.

^f Beginning in fall 1992, permanent residents were included with U.S. citizens; in previous years, permanent residents were counted with foreign students.

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TABLE A-2. Source and mechanism of support for full-time graduate students: 1972–2022

| Data availability, by year | 1972–77 | 1978 | 1979–84 | 1985–95 | 1996–98 | 1999–2017old | Counts found in __ variables | 2017–22 | Counts found in __ variables |
|---|---------|------|---------|---------|---------|--------------|------------------------------|---------|------------------------------|
| Master's students ^a | | | | | | | | X | ma_* |
| Doctoral students ^a | | | | | | | | X | dr_* |
| Full-time graduate students | X | X | X | X | X | X | | X | |
| By source | X | X | X | X | X | X | | X | |
| By sex ^b | X | | X | X | X | X | | X | |
| By sex and source ^b | X | | X | X | X | X | | X | |
| By mechanism ^b | X | | X | X | X | X | | X | |
| By mechanism and source ^b | X | | X | X | X | X | ft_* | X | *ft_* |
| Sex | | | | | | | | | |
| Total | X | X | X | X | X | X | ft_tot_* | X | *ft_tot_* |
| Men | X | X | X | X | X | X | ft_men_* | X | *ft_men_* |
| Women | X | X | X | X | X | X | ft_wmen_* | X | *ft_wmen_* |
| Sources of financial support collected | | | | | | | | | |
| All sources | | | | | | | *_all_srces_v | X | *_all_v |
| Federal | | | | | | | *_fed_all_srces_v | X | *_fed_all_v |
| DOD ^c | X | | X | X | X | X | *_fed_dod_v | X | *_fed_dod_v |
| NIH | X | X | X | X | X | X | *_fed_hhs_nih_v | X | *_fed_nih_v |
| HHS | X | X | X | X | X | X | *_fed_hhs_oth_v | X | *_fed_hhs_v |
| NSF | X | X | X | X | X | X | *_fed_nsf_v | X | *_fed_nsf_v |
| DOA | | | | X | X | X | *_fed_doa_v | X | *_fed_doa_v |
| NASA | | | | | X | X | *_fed_nasa_v | X | *_fed_nasa_v |
| DOE | | | | | | X | *_fed_doe_v | X | *_fed_doe_v |
| Other federal ^c | X | X | X | X | X | X | *_fed_oth_v | X | *_fed_oth_v |
| Nonfederal | | | | | | | *_nonfed_all_srces_v | X | *_nfed_all_v |
| Institutional | X | X | X | X | X | X | *_nonfed_inst_sup_v | X | *_nfed_inst_v |
| Other United States | X | X | X | X | X | X | *_nonfed_oth_us_v | X | *_nfed_othus_v |
| Foreign ^b | X | | X | X | X | X | *_nonfed_forgn_v | X | *_nfed_forgn_v |
| Self | X | X | X | X | X | X | *_self_sup_v | X | *_self_sup_v |
| Mechanisms of financial support collected | | | | | | | | | |
| Fellowships and traineeships ^d | X | | | | | | ft_felshp_*_v | | |
| Fellowships | | | X | X | X | X | ft_felshp_*_v | X | *ft_fel_*_v |
| Traineeships | | | X | X | X | X | ft_trneeshp_*_v | X | *ft_trn_*_v |
| Research assistantships | X | | X | X | X | X | ft_rschr_asst_*_v | X | *ft_ra_*_v |
| Teaching assistantships | X | | X | X | X | X | ft_tchg_asst_*_v | X | *ft_ta_*_v |
| Other mechanisms | X | | X | X | X | X | ft_oth_mech_*_v | X | *ft_ots_*_v |

DOA = Department of Agriculture; DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation.

^a Starting in 2017, data were collected separately for master's and doctoral students; prior to 2017, graduate student data combine master's and doctoral students.

^b Data on mechanisms of support and foreign sources of support were not requested on the short forms used in 1978. Breakdowns of graduate students and full-time graduate student support by sex were inaccurate and have been omitted from the public-use data file.

^c DOD support is counted within "Other federal" support in 1978.

^d Before 1979, fellowships and traineeships were not separately identified; their sum is stored in the fellowship variables (ft_felshp_*_v) for these years.

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TABLE A-3. Postdoctoral appointees and nonfaculty research staff: 1972–2009

| Data availability, by year ^a | 1972 | 1973–76 | 1977 | 1978 | 1979–82 | 1983–09 | Counts found in __ variables ^b |
|---|------|---------|------|------|---------|---------|---|
| Count of postdoctoral appointees and nonfaculty research staff ^c | | | | | | | |
| Total | X | X | X | | | | pd_tot_all_srces_v |
| By source | | X | X | | | | tot_postdoc_* |
| By citizenship | | | X | | | | pd_tot_[us forgn]_v |
| Count of postdoctoral appointees | | | | | | | |
| Total | | | | | X | X | pd_tot_all_srces_v |
| By source | | | | | X | X | tot_postdoc_* |
| By citizenship | | | | | X | X | pd_tot_[us forgn]_v |
| By sex | | | | | X | X | pd_tot_[men wmen]_all_srces_v |
| By sex and source | | | | | X | X | [men wmen]_postdoc_* |
| By sex and citizenship | | | | | X | X | pd_[men wmen]_[us forgn]_v |
| With medical degree | | | | | | X | med_degr_postdoc_all_srces_v |
| With medical degree, by source | | | | | | X | med_degr_postdoc_* |
| With medical degree, by citizenship | | | | | | X | med_degr_postdoc_forgn_v |
| Count of nonfaculty research staff | | | | | | | |
| Total | | | | | X | X | nfr_tot_all_degr_v |
| By sex | | | | | X | X | nfr_[men wmen]_all_degr_v |
| With medical degree | | | | | | X | med_degr_oth_non_fcty_v |
| Sources of financial support collected | | | | | | | |
| Federal fellowships and traineeships ^d | | X | X | | | | *_felshp_v |
| Federal fellowship | | | | | X | X | *_felshp_v |
| Federal traineeship | | | | | X | X | *_trneeshp_v |
| Research associates | | X | X | | | | *_rsch_grnt_v |
| Federal research grant | | | | | X | X | *_rsch_grnt_v |
| Nonfederal | | X | X | | X | X | *_nonfed_v |

^a No postdoctoral appointee or nonfaculty research staff data were collected in 1978.

^b In 2010, the postdoctoral appointee and nonfaculty research staff data collection was expanded significantly to capture more detailed information about these groups (see <https://www.nsf.gov/statistics/srvygradpostdoc/> for more information). Of those items collected prior to 2010, only the total counts and the counts by sex and citizenship were asked in a consistent manner in 2009 and 2010. Consequently, only the variables housing these counts have been renamed using the 2010 variable naming convention (pd_* and nfr_*). All other variables retain their 2009 and prior names.

^c Postdoctoral appointees and nonfaculty researchers were not separately identified before 1979; their sum is stored in the postdoctoral appointee variables (tot_postdoc_*_v) for these years.

^d Similarly, fellowships and traineeships were not separately identified before 1979; their sum is stored in the fellowship variables (ft_felshp_*_v) for these years.

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TABLE A-4. Postdoctoral appointees: 2010–22

| Data availability, by year ^a | 2010–17old | Counts found in __ variables | 2017–22 | Counts found in __ variables |
|--|------------|------------------------------|---------|------------------------------|
| Count of postdoctoral appointees, by | X | | X | |
| Sex, citizenship, and race and ethnicity | X | | | |
| Mechanism and source of financial support | X | | | |
| Mechanism of financial support and sex | X | | | |
| Mechanism of financial support and type of doctoral degree | X | | | |
| Citizenship and type of doctoral degree | X | | | |
| Origin of doctoral degree | X | | pd_* | |
| Sex | | | | |
| Total | X | pd_tot_* | X | pd_tot_* |
| Men | X | pd_men_* | X | pd_men_* |
| Women | X | pd_wmen_* | X | pd_wmen_* |
| Citizenship and race and ethnicity categories | | | | |
| Total | X | pd_*_all_races_v | X | pd_*_all_races_v |
| U.S. citizens | X | pd_*_us_v | X | pd_*_us_v |
| White, non-Hispanic | X | pd_*_white_v | X | pd_*_white_v |
| Asian | X | pd_*_asian_v | X | pd_*_asian_v |
| Native Hawaiian or Pacific Islander | X | pd_*_pacific_v | X | pd_*_pacific_v |
| Black, non-Hispanic | X | pd_*_black_v | X | pd_*_black_v |
| Hispanic (one or more races) | X | pd_*_hisp_v | X | pd_*_hisp_v |
| American Indian or Alaska Native | X | pd_*_indian_v | X | pd_*_indian_v |
| Other or unknown | X | pd_*_unknown_v | X | pd_*_unk_v |
| More than one race (non-Hispanic) | X | pd_*_multi_non_hisp_v | X | pd_*_multi_v |
| Temporary visa holders | X | pd_*_forgn_v | X | pd_*_forgn_v |
| Source of financial support | | | | |
| Total | X | pd_*_all_srces_v | X | pd_*_all_v |
| Federal | X | pd_*_fed_all_srces_v | X | pd_*_fed_all_v |
| DOD | X | pd_*_fed_dod_v | X | pd_*_fed_dod_v |
| NIH | X | pd_*_fed_hhs_nih_v | X | pd_*_fed_nih_v |
| HHS | X | pd_*_fed_hhs_oth_v | X | pd_*_fed_hhs_v |
| NSF | X | pd_*_fed_nsf_v | X | pd_*_fed_nsf_v |
| DOA | X | pd_*_fed_doa_v | X | pd_*_fed_doa_v |
| NASA | X | pd_*_fed_nasa_v | X | pd_*_fed_nasa_v |
| DOE | X | pd_*_fed_doe_v | X | pd_*_fed_doe_v |
| Other federal | X | pd_*_fed_oth_v | X | pd_*_fed_oth_v |
| Nonfederal | X | pd_*_nonfed_all_srces_v | X | pd_*_nfed_all_v |
| Institutional | X | pd_*_nonfed_inst_sup_v | X | pd_*_nfed_inst_v |
| Other United States | X | pd_*_nonfed_oth_us_v | X | pd_*_nfed_othus_v |
| Foreign | X | pd_*_nonfed_forgn_v | X | pd_*_nonfed_forgn_v |
| Self-support | X | pd_*_self_sup_v | X | pd_*_self_sup_v |
| Unknown or not stated | X | pd_*_unknown_sup_v | X | pd_*_unk_sup_v |
| Mechanism of financial support | | | | |
| Fellowships | X | pd_felshp_*_v | X | pd_fel_*_v |
| Traineeships | X | pd_trneeshp_*_v | X | pd_trn_*_v |
| Research grants | X | pd_rsch_grnt_*_v | X | pd_grt_*_v |
| Other support | X | pd_oth_mech_*_v | X | pd_om_*_v |

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| Data availability, by year ^a | 2010–17old | Counts found in __ variables | 2017–22 | Counts found in __ variables |
|---|------------|------------------------------|---------|------------------------------|
| Type of doctoral degree | | | | |
| Professional degree | X | *_med_degr_v | X | pd*_med_v |
| Doctoral degree | X | *_nonmed_degr_v | X | pd*_nmed_v |
| Both professional and doctoral degree | X | *_dual_degr_v | X | pd*_dual_v |
| Degree type unknown | X | *_unknown_degr_v | X | pd*_unk_degr_v |
| Origin of doctoral degree | | | | |
| Doctorate from a U.S. institution | X | pd_degr_us_v | X | pd_degr_us_v |
| Doctorate from a foreign institution | X | pd_degr_forgn_v | X | pd_degr_forgn_v |
| Unknown origin | X | pd_degr_unknown_orig_v | X | pd_degr_unk_orig_v |

DOA = Department of Agriculture; DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation.

^a In 2010, the postdoctoral appointee (postdoc) data collection was expanded significantly to capture more detailed information about the postdocs (see <https://www.nsf.gov/statistics/srvygradpostdoc/> for more information). A new naming convention was implemented in 2010 to reduce variable length and make the variable naming more consistent with the graduate student data. All postdoc variables begin with "pd_".

TABLE A-5. Nonfaculty researchers: 2010–22

| Data availability, by year ^a | 2010–16 ^b | Counts found in __ variables | 2017–22 | Counts found in __ variables |
|---|----------------------|------------------------------|---------|------------------------------|
| Counts of nonfaculty research staff | X | nfr_* | X | nfr_* |
| By sex and type of degree | X | | X | |
| Sex | | | | |
| Total | X | nfr_tot_* | X | nfr_tot_* |
| Men | X | nfr_men_* | X | nfr_men_* |
| Women | X | nfr_wmen_* | X | nfr_wmen_* |
| Type of doctoral degree | | | | |
| Total | X | nfr*_all_degr_v | X | nfr*_all_v |
| Professional degree | X | nfr*_med_degr_v | X | nfr*_med_v |
| Doctoral degree | X | nfr*_nonmed_degr_v | X | nfr*_nmed_v |
| Both professional and doctoral degree | X | nfr*_dual_degr_v | X | nfr*_dual_v |
| Degree type unknown | X | nfr*_unknown_degr_v | X | nfr*_unk_degr_v |

^a In 2010, the nonfaculty researcher (NFR) data collection was expanded to capture more detailed information about the doctoral degree type (see <https://www.nsf.gov/statistics/srvygradpostdoc/> for more information). A new naming convention was implemented in 2010 to reduce variable length and make the variable naming more consistent with the graduate student data. All NFR variables begin with "nfr_".

^b 2017old data are not available for NFRs. A special report is forthcoming that will provide more information about the changes to the 2017 GSS and 2017old.