

Guide to Public Use Data Files

Survey of Graduate Students and Postdoctorates in Science and Engineering: Fall 2012

The Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) collects count data for graduate students, postdoctoral appointees (postdocs), and nonfaculty research staff (NFRs) in science, engineering, and selected health units.

Graduate student counts are collected by enrollment status, gender, citizenship, and race/ethnicity (2012 questions 2 & 3). Full-time graduate student counts are also broken out by primary source and mechanism of financial support (2012 question 4).

Starting in 2010, GSS data collection on the postdocs and NFRs expanded to citizenship and race/ethnicity for postdocs (2012 question 5a), primary source and mechanism of postdoc support (2012 question 5b), and type of doctoral degree for postdocs and NFRs (2012 questions 5c & 5d). Prior to 2010, postdoc counts were broken out by gender, primary source of support, and medical degree, and NFR counts by gender and medical degree (2009 question 5).

The 2012 GSS public-use data files are organized such that the institution, school, and organizational unit data are all available for each year within a single record. The data also include the Integrated Postsecondary Education Data System UNITID, which allows researchers the ability to link the GSS institutions to other institutional data sources.

Public-use data are available for download by year, and are available in Excel and SAS formats. Key variables are also available for trend analysis through the WebCASPAR data system: <https://ncesdata.nsf.gov/webcaspar/>.

DATA File Formats

The GSS public use file is available in two formats.

The files available for download are (YYYY stands for 1972-2012 GSS data collection years):

- gssYYYYc_xlsx.zip files – contain gssYYYY_code.xlsx Excel files
- gssYYYYc_sas.zip files – contain gssYYYY_code.sas7bdat SAS datasets

For compatibility issues with prior round data, Excel files are divided by question number into three worksheets:

- Race (questions 2 and 3) – pt_tot_all_races_v ... ft_frst_wmen_unknown_v
- Support (question 4) – ft_tot_all_srces_v ... ft_oth_mech_self_sup_v
- Postdoc (questions 5a-5d) – pd_tot_all_srces_v ... med_degr_oth_non_fcty_v

As a convenience, the institution, school, and *GSS code level* data are replicated for each associated record, rather than providing separate institution, school, and GSS code level files that would need

to be merged together. The data contain the institution, school, and GSS code level data gathered in question 1 and the variables are placed as leading variables in the SAS files and columns in the Excel files. SAS and Excel files are available by data collection year and these files include all variables (institution, school, GSS code, part-time race, full-time race, support, and postdoc and NFR data all on one record).

DATA File Identifiers

IDs are created to uniquely identify institutions and schools.

The ID structure is:

- year – identifies the year in which the data are collected.
- institution_id – identifies the institution.
- school_id – identifies a school, which is unique across all institutions and not just a sequence within institution.
- gss_code, identifies the type of program and is unique within a school.

The combination of year, school_id, and gss_code form a unique record across the GSS data files.

As indicated in the ID structure, institutions can have more than one school, thus the need for the school_id variable. The school name is reported as the name of the school within the institution, and is not unique across all schools. A unique name for the school containing the institution name and school name is available in the variable “full_school_name”.

The following summary table is provided to help users confirm that they have imported the data files properly for a given year. It enumerates the number of institutions, schools, and GSS code level records that were included in the GSS for the given year.

Year	# of Unique Entities		
	Institutions	Schools	Records
1972	259	328	4,079
1973	262	340	5,688
1974	284	375	6,384
1975	584	682	7,741
1976	594	693	7,815
1977	601	704	8,007
1978	599	708	8,088
1979	629	745	8,252
1980	626	742	8,306
1981	622	736	8,240
1982	609	724	8,134
1983	609	723	8,015
1984	412	530	7,388
1985	412	525	7,437

1986	412	527	7,486
1987	416	533	7,575
1988	606	723	8,416
1989	609	726	8,515
1990	610	727	8,597
1991	609	726	8,719
1992	608	725	8,851
1993	606	723	8,969
1994	605	722	9,092
1995	603	720	9,184
1996	603	720	9,140
1997	601	722	9,162
1998	601	721	9,198
1999	599	719	9,267
2000	596	716	9,260
2001	601	720	9,302
2002	596	715	9,345
2003	593	712	9,377
2004	591	710	9,302
2005	588	702	9,225
2006	588	707	9,271
2007	582	700	9,563
2008	579	708	9,782
2009	575	703	9,909
2010	574	692	10,048
2011	565	686	10,041
2012	565	684	10,115

Users can analyze data across GSS data collection years by concatenating the GSS data across multiple years to create a longitudinal dataset. The “year” variable, which indicates the GSS data collection year, will need to be used as a key variable in the ID structure. The following summary table is provided to help users confirm that they have concatenated data properly across years. It enumerates the number of institutions, schools, and GSS code level records that were ever included in the GSS.

Years of Data	# of Unique Entities		
	Institutions	Schools	Records
1972-2012	698	877	350,284

INTEGRATED POSTSECONDARY EDUCATION DATA SYSTEM (IPEDS) UNITID

One feature that should help facilitate analysts’ use of the data is the inclusion of IPEDS UNITID. The IPEDS UNITID is linked to the School ID. The 2012 version of IPEDS is the latest version that was used to link to the schools. For convenience UNITID is replicated in the file across years

for the same school. If schools are not reported in the 2012 IPEDS file, the UNITID field is filled with a reserve code value of '999999'.

DATA ITEMS

The data variables collected over the years have consisted primarily of full- and part-time graduate students and postdocs, with detailed information on full-time student source (federal, nonfederal, other) and mechanism (e.g., fellowships, traineeships, research assistantships, or teaching assistantships) of primary support, sex, field of study, and citizenship. The collection of full- and part-time graduate student race/ethnicity data was introduced as an optional item in the 1979 survey and became a standard survey item in 1980. Data on the sex of part-time graduate students has been collected since 1977. Race/ethnicity data separated by sex have been collected for full- and part-time graduate students since 1993, and for first-time, full-time students since 1999. Postdoc and NFR data were collected as combined counts until 1977, collected separately starting in 1979, and expanded substantially in 2010. See Appendix A --Data Element Availability by Year for more details.

Prospective data users should note that data items and types of institutions surveyed have varied over the years of the survey. For example, prior to 1992 permanent residents and temporary visa holders were collected as combined counts; from 1992 through the present, permanent residents are counted with U.S. citizens. Major barriers for trend analysis using the GSS data are that the GSS institutions changed substantially during this time. In 1972 the GSS was a survey of doctorate-granting institutions. By 1975 it had expanded to include all doctorate and master's-granting institutions. In 1978 only doctorate-granting institutions were surveyed using a short form that consisted of only a subset of the items collected in 1977. See Historical Changes in the GSS (p.20) for more details.

The variable list is grouped similarly to the questions presented in the GSS survey worksheet. (See Appendix B for variable applicability and item counts by year.)

- Variables 1-19 – Institution, School, and GSS code level data
- Variables 20-55 – Part-time graduate student data
- Variables 56-91 – Full-time graduate student data
- Variables 92-121 – First-time, full-time graduate student data
- Variables 122-220 – Source and mechanism of primary support for full-time graduate students data
- Variables 221-373 – Postdoctoral appointees data
- Variables 374-388 – Nonfaculty researchers data
- Variables 389-407 – Prior round postdoctoral appointees and nonfaculty researchers data

Prospective data users should note, graduate student data was collected for part-time students (question 2) and then for full-time students (question 3). To obtain counts for graduates students (regardless of full or part-time), users must sum the pt_* and ft_* variable fields.

The data collected on the number of postdoctoral appointees and nonfaculty researchers in GSS-eligible units was expanded in 2010 and significant effort made to ensure that appropriate personnel were providing these data. (See <http://www.nsf.gov/statistics/srvygradpostdoc/> for more

information). Overall counts for both groups also increased substantially in 2010. It is unclear how much of these increases represent actual growth in postdocs and nonfaculty researchers, and how much results from improved data collection. More information on the improved data collection and changes in postdoc data can be found in an InfoBrief, *Counts of Postdoctoral Appointees in Science, Engineering, and Health Rise with Reporting Improvements*, available at <http://www.nsf.gov/statistics/infbrief/nsf13334/>. Therefore the trend data for both postdoctoral appointees and nonfaculty researchers should be used with caution.

The vast majority of the new Postdoc/NFR variables first introduced in 2010 collected new information or they were adjusted with different response categories than offered in previous survey cycles. Given that these variables have no historical precedent in the GSS data on which to base imputation, missing values in these data items were not imputed in the first two years the data was collected. All missing values from 2010-12 have now been imputed and the 2010 and 2011 NFR and Postdoc data replaced. These data supersede previously released data.

The following table lists the data items, labels, and data type available in the GSS files:

	Variable	Label	Type
1	institution_id	Institution ID	Numeric GSS ID Field
2	UNITID	IPEDS UNITID	Numeric Institutional Linking ID Field
3	school_id	School ID	Numeric GSS ID Field
4	gss_code	GSS Code	Discrete alpha (see below for values)
5	year	Year of Data Collection	Alpha
6	Institution_name	Institution Name	
7	hdg_inst	Institution Highest Degree	Discrete numeric (see below for values)
8	toc_code	Institution Type of Control	Discrete alpha (see below for values)
9	institution_state	Institution State Code	
10	hbcu_flag	IPEDS Historically Black College Flag	
11	land_grant_flag	IPEDS Land Grant Flag	
12	carnegie_code_1994	Carnegie Code from 1994	
13	carnegie_code_2005	Carnegie Code from 2005	Discrete numeric (see below for values)
14	carnegie_code_2010	Carnegie Code from 2010	
15	full_school_name	Full School Name	Alpha
16	school_name	School Name	
17	School_ZIP	School ZIP code	
18	school_type_code	School Type	Discrete alpha (see below for values)
19	hdg_code	GSS Code Level Highest Degree	
20	pt_tot_all_races_v	Race: Part-Time Total Students - Total	Count (Positive Integer)
21	pt_tot_forgn_v	Race: Part-Time Total Students - Foreign	
22	pt_tot_hisp_v	Race: Part-Time Total Students - Hispanic (one or more	

	Variable	Label	Type
		racess)	
23	pt_tot_indian_v	Race: Part-Time Total Students - American Indian/Alaska Native	
24	pt_tot_asian_v	Race: Part-Time Total Students - Asian	
25	pt_tot_black_v	Race: Part-Time Total Students - Black	
26	pt_tot_pacific_v	Race: Part-Time Total Students - Native Hawaiian/Pacific Islander	
27	pt_tot_white_v	Race: Part-Time Total Students - White	
28	pt_tot_multi_non_hisp_v	Race: Part-Time Total Students - More than one race (non-Hispanic)	
29	pt_tot_asian_pi_98_v	Race: Part-Time Total Students - Asian/Pacific Islander	
30	pt_tot_other_98_v	Race: Part-Time Total Students - Other (U.S. Citizens)	
31	pt_tot_unknown_v	Race: Part-Time Total Students - Unknown (U.S. Citizens)	
32	pt_men_all_races_v	Race: Part-Time Men Students - Total	
33	pt_men_forgn_v	Race: Part-Time Men Students - Foreign	
34	pt_men_hisp_v	Race: Part-Time Men Students - Hispanic (one or more races)	
35	pt_men_indian_v	Race: Part-Time Men Students - American Indian/Alaskan	
36	pt_men_asian_v	Race: Part-Time Men Students - Asian	
37	pt_men_black_v	Race: Part-Time Men Students - Black	
38	pt_men_pacific_v	Race: Part-Time Men Students - Native Hawaiian/Pacific Islander	
39	pt_men_white_v	Race: Part-Time Men Students - White	
40	pt_men_multi_non_hisp_v	Race: Part-Time Men Students - More than one race (non-Hispanic)	
41	pt_men_asian_pi_98_v	Race: Part-Time Men Students - Asian/Pacific Islander	
42	pt_men_other_98_v	Race: Part-Time Men Students - Other (U.S. Citizens)	
43	pt_men_unknown_v	Race: Part-Time Men Students - Unknown (U.S. Citizens)	
44	pt_wmen_all_races_v	Race: Part-Time Women Students - Total	
45	pt_wmen_forgn_v	Race: Part-Time Women Students - Foreign	
46	pt_wmen_hisp_v	Race: Part-Time Women Students - Hispanic (one or more races)	
47	pt_wmen_indian_v	Race: Part-Time Women Students - American Indian/Alaskan	
48	pt_wmen_asian_v	Race: Part-Time Women Students - Asian	
49	pt_wmen_black_v	Race: Part-Time Women Students - Black	
50	pt_wmen_pacific_v	Race: Part-Time Women Students - Native Hawaiian/Pacific Islander	
51	pt_wmen_white_v	Race: Part-Time Women Students - White	
52	pt_wmen_multi_non_hisp_v	Race: Part-Time Women Students - More than one race (non-Hispanic)	
53	pt_wmen_asian_pi_98_v	Race: Part-Time Women Students - Asian/Pacific Islander	
54	pt_wmen_other_98_v	Race: Part-Time Women Students - Other (U.S. Citizens)	
55	pt_wmen_unknown_v	Race: Part-Time Women Students - Unknown (U.S. Citizens)	
56	ft_tot_all_races_v	Race: Full-Time Total Students - Total	
57	ft_tot_forgn_v	Race: Full-Time Total Students - Foreign	
58	ft_tot_hisp_v	Race: Full-Time Total Students - Hispanic (one or more races)	

	Variable	Label	Type
59	ft_tot_indian_v	Race: Full-Time Total Students - American Indian/Alaskan	
60	ft_tot_asian_v	Race: Full-Time Total Students - Asian	
61	ft_tot_black_v	Race: Full-Time Total Students - Black	
62	ft_tot_pacific_v	Race: Full-Time Total Students - Native Hawaiian/Pacific Islander	
63	ft_tot_white_v	Race: Full-Time Total Students - White	
64	ft_tot_multi_non_hisp_v	Race: Full-Time Total Students - More than one race (non-Hispanic)	
65	ft_tot_asian_pi_98_v	Race: Full-Time Total Students - Asian/Pacific Islander	
66	ft_tot_other_98_v	Race: Full-Time Total Students - Other (U.S. Citizens)	
67	ft_tot_unknown_v	Race: Full-Time Total Students - Unknown (U.S. Citizens)	
68	ft_men_all_races_v	Race: Full-Time Men Students - Total	
69	ft_men_forgn_v	Race: Full-Time Men Students - Foreign	
70	ft_men_hisp_v	Race: Full-Time Men Students - Hispanic (one or more races)	
71	ft_men_indian_v	Race: Full-Time Men Students - American Indian/Alaskan	
72	ft_men_asian_v	Race: Full-Time Men Students - Asian	
73	ft_men_black_v	Race: Full-Time Men Students - Black	
74	ft_men_pacific_v	Race: Full-Time Men Students - Native Hawaiian/Pacific Islander	
75	ft_men_white_v	Race: Full-Time Men Students - White	
76	ft_men_multi_non_hisp_v	Race: Full-Time Men Students - More than one race (non-Hispanic)	
77	ft_men_asian_pi_98_v	Race: Full-Time Men Students - Asian/Pacific Islander	
78	ft_men_other_98_v	Race: Full-Time Men Students - Other (U.S. Citizens)	
79	ft_men_unknown_v	Race: Full-Time Men Students - Unknown (U.S. Citizens)	
80	ft_wmen_all_races_v	Race: Full-Time Women Students - Total	
81	ft_wmen_forgn_v	Race: Full-Time Women Students - Foreign	
82	ft_wmen_hisp_v	Race: Full-Time Women Students - Hispanic (one or more races)	
83	ft_wmen_indian_v	Race: Full-Time Women Students - American Indian/Alaskan	
84	ft_wmen_asian_v	Race: Full-Time Women Students - Asian	
85	ft_wmen_black_v	Race: Full-Time Women Students - Black	
86	ft_wmen_pacific_v	Race: Full-Time Women Students - Native Hawaiian/Pacific Islander	
87	ft_wmen_white_v	Race: Full-Time Women Students - White	
88	ft_wmen_multi_non_hisp_v	Race: Full-Time Women Students - More than one race (non-Hispanic)	
89	ft_wmen_asian_pi_98_v	Race: Full-Time Women Students - Asian/Pacific Islander	
90	ft_wmen_other_98_v	Race: Full-Time Women Students - Other (U.S. Citizens)	
91	ft_wmen_unknown_v	Race: Full-Time Women Students - Unknown (U.S. Citizens)	
92	ft_frst_tot_all_races_v	Race: First-Time Full-Time Students - Total	
93	ft_frst_tot_forgn_v	Race: First-Time Full-Time Students - Foreign	
94	ft_frst_tot_hisp_v	Race: First-Time Full-Time Students - Hispanic (one or more races)	
95	ft_frst_tot_indian_v	Race: First-Time Full-Time Students - American Indian/Alaskan	

	Variable	Label	Type
96	ft_frst_tot_asian_v	Race: First-Time Full-Time Students - Asian	
97	ft_frst_tot_black_v	Race: First-Time Full-Time Students - Black	
98	ft_frst_tot_pacific_v	Race: First-Time Full-Time Students - Native Hawaiian/Pacific Is.	
99	ft_frst_tot_white_v	Race: First-Time Full-Time Students - White	
100	ft_frst_tot_multi_non_hisp_v	Race: First-Time Full-Time Students - More than one race (non-Hispanic)	
101	ft_frst_tot_unknown_v	Race: First-Time Full-Time Students - Unknown (U.S. Citizens)	
102	ft_frst_men_all_races_v	Race: First-Time Men - Total	
103	ft_frst_men_forgn_v	Race: First-Time Men - Foreign	
104	ft_frst_men_hisp_v	Race: First-Time Men - Hispanic (one or more races)	
105	ft_frst_men_indian_v	Race: First-Time Men - American Indian/Alaskan	
106	ft_frst_men_asian_v	Race: First-Time Men - Asian	
107	ft_frst_men_black_v	Race: First-Time Men - Black	
108	ft_frst_men_pacific_v	Race: First-Time Men - Native Hawaiian/Pacific Islander	
109	ft_frst_men_white_v	Race: First-Time Men - White	
110	ft_frst_men_multi_non_hisp_v	Race: First-Time Men - More than one race (non-Hispanic)	
111	ft_frst_men_unknown_v	Race: First-Time Men - Unknown (U.S. Citizens)	
112	ft_frst_wmen_all_races_v	Race: First-Time Women - Total	
113	ft_frst_wmen_forgn_v	Race: First-Time Women - Foreign	
114	ft_frst_wmen_hisp_v	Race: First-Time Women - Hispanic (one or more races)	
115	ft_frst_wmen_indian_v	Race: First-Time Women - American Indian/Alaskan	
116	ft_frst_wmen_asian_v	Race: First-Time Women - Asian	
117	ft_frst_wmen_black_v	Race: First-Time Women - Black	
118	ft_frst_wmen_pacific_v	Race: First-Time Women - Native Hawaiian/Pacific Is.	
119	ft_frst_wmen_white_v	Race: First-Time Women - White	
120	ft_frst_wmen_multi_non_hisp_v	Race: First-Time Women - More than one race (non-Hispanic)	
121	ft_frst_wmen_unknown_v	Race: First-Time Women - Unknown (U.S. Citizens)	
122	ft_tot_all_srces_v	Support: Full-Time Total - Total, All Sources	
123	ft_tot_fed_dod_v	Support: Full-Time Total - Department of Defense	
124	ft_tot_fed_hhs_nih_v	Support: Full-Time Total - National Institutes of Health	
125	ft_tot_fed_hhs_oth_v	Support: Full-Time Total - Other HHS	
126	ft_tot_fed_nsf_v	Support: Full-Time Total - National Science Foundation	
127	ft_tot_fed_doa_v	Support: Full-Time Total - Department of Agriculture	
128	ft_tot_fed_nasa_v	Support: Full-Time Total - NASA	
129	ft_tot_fed_doe_v	Support: Full-Time Total - DOE	
130	ft_tot_fed_oth_v	Support: Full-Time Total - Other Federal Sources	
131	ft_tot_nonfed_inst_sup_v	Support: Full-Time Total - Institutional Support	
132	ft_tot_nonfed_oth_us_v	Support: Full-Time Total - Other U.S. Sources	
133	ft_tot_nonfed_forgn_v	Support: Full-Time Total - Foreign Sources	
134	ft_tot_self_sup_v	Support: Full-Time Total - Self-Support	
135	ft_men_all_srces_v	Support: Full-Time Men - Total, All Sources	
136	ft_men_fed_dod_v	Support: Full-Time Men - Department of Defense	

	Variable	Label	Type
137	ft_men_fed_hhs_nih_v	Support: Full-Time Men - National Institutes of Health	
138	ft_men_fed_hhs_oth_v	Support: Full-Time Men - Other HHS	
139	ft_men_fed_nsf_v	Support: Full-Time Men - National Science Foundation	
140	ft_men_fed_doa_v	Support: Full-Time Men - Department of Agriculture	
141	ft_men_fed_nasa_v	Support: Full-Time Men - NASA	
142	ft_men_fed_doe_v	Support: Full-Time Men - DOE	
143	ft_men_fed_oth_v	Support: Full-Time Men - Other Federal Sources	
144	ft_men_nonfed_inst_sup_v	Support: Full-Time Men - Institutional Support	
145	ft_men_nonfed_oth_us_v	Support: Full-Time Men - Other U.S. Sources	
146	ft_men_nonfed_forgn_v	Support: Full-Time Men - Foreign Sources	
147	ft_men_self_sup_v	Support: Full-Time Men - Self-Support	
148	ft_wmen_all_srcs_v	Support: Full-Time Women - Total, All Sources	
149	ft_wmen_fed_dod_v	Support: Full-Time Women - Department of Defense	
150	ft_wmen_fed_hhs_nih_v	Support: Full-Time Women - National Institutes of Health	
151	ft_wmen_fed_hhs_oth_v	Support: Full-Time Women - Other HHS	
152	ft_wmen_fed_nsf_v	Support: Full-Time Women - National Science Foundation	
153	ft_wmen_fed_doa_v	Support: Full-Time Women - Department of Agriculture	
154	ft_wmen_fed_nasa_v	Support: Full-Time Women - NASA	
155	ft_wmen_fed_doe_v	Support: Full-Time Women - DOE	
156	ft_wmen_fed_oth_v	Support: Full-Time Women - Other Federal Sources	
157	ft_wmen_nonfed_inst_sup_v	Support: Full-Time Women - Institutional Support	
158	ft_wmen_nonfed_oth_us_v	Support: Full-Time Women - Other U.S. Sources	
159	ft_wmen_nonfed_forgn_v	Support: Full-Time Women - Foreign Sources	
160	ft_wmen_self_sup_v	Support: Full-Time Women - Self-Support	
161	ft_felshp_all_srcs_v	Support: Fellowships - Total, All Sources	
162	ft_felshp_fed_dod_v	Support: Fellowships - Department of Defense	
163	ft_felshp_fed_hhs_nih_v	Support: Fellowships - National Institutes of Health	
164	ft_felshp_fed_hhs_oth_v	Support: Fellowships - Other HHS	
165	ft_felshp_fed_nsf_v	Support: Fellowships - National Science Foundation	
166	ft_felshp_fed_doa_v	Support: Fellowships - Department of Agriculture	
167	ft_felshp_fed_nasa_v	Support: Fellowships - NASA	
168	ft_felshp_fed_doe_v	Support: Fellowships - DOE	
169	ft_felshp_fed_oth_v	Support: Fellowships - Other Federal Sources	
170	ft_felshp_nonfed_inst_sup_v	Support: Fellowships - Institutional Support	
171	ft_felshp_nonfed_oth_us_v	Support: Fellowships - Other U.S. Sources	
172	ft_felshp_nonfed_forgn_v	Support: Fellowships - Foreign Sources	
173	ft_trneeshp_all_srcs_v	Support: Traineeships - Total, All Sources	
174	ft_trneeshp_fed_dod_v	Support: Traineeships - Department of Defense	
175	ft_trneeshp_fed_hhs_nih_v	Support: Traineeships - National Institutes of Health	
176	ft_trneeshp_fed_hhs_oth_v	Support: Traineeships - Other HHS	
177	ft_trneeshp_fed_nsf_v	Support: Traineeships - National Science Foundation	
178	ft_trneeshp_fed_doa_v	Support: Traineeships - Department of Agriculture	
179	ft_trneeshp_fed_nasa_v	Support: Traineeships - NASA	
180	ft_trneeshp_fed_doe_v	Support: Traineeships - DOE	

	Variable	Label	Type
181	ft_trneeshp_fed_oth_v	Support: Traineeships - Other Federal Sources	
182	ft_trneeshp_nonfed_inst_sup_v	Support: Traineeships - Institutional Support	
183	ft_trneeshp_nonfed_oth_us_v	Support: Traineeships - Other U.S. Sources	
184	ft_trneeshp_nonfed_forgn_v	Support: Traineeships - Foreign Sources	
185	ft_rschr_asst_all_srces_v	Support: Research Assistantships - Total, All Sources	
186	ft_rschr_asst_fed_dod_v	Support: Research Assistantships - Department of Defense	
187	ft_rschr_asst_fed_hhs_nih_v	Support: Research Assistantships - National Institutes of Health	
188	ft_rschr_asst_fed_hhs_oth_v	Support: Research Assistantships - Other HHS	
189	ft_rschr_asst_fed_nsf_v	Support: Research Assistantships - National Science Foundation	
190	ft_rschr_asst_fed_doa_v	Support: Research Assistantships - Department of Agriculture	
191	ft_rschr_asst_fed_nasa_v	Support: Research Assistantships - NASA	
192	ft_rschr_asst_fed_doe_v	Support: Research Assistantships - DOE	
193	ft_rschr_asst_fed_oth_v	Support: Research Assistantships - Other Federal Sources	
194	ft_rschr_asst_nonfed_inst_sup_v	Support: Research Assistantships - Institutional Support	
195	ft_rschr_asst_nonfed_oth_us_v	Support: Research Assistantships - Other U.S. Sources	
196	ft_rschr_asst_nonfed_forgn_v	Support: Research Assistantships - Foreign Sources	
197	ft_tchg_asst_all_srces_v	Support: Teaching Assistantships - Total, All Sources	
198	ft_tchg_asst_fed_hhs_nih_v	Support: Teaching Assistantships - National Institutes of Health	
199	ft_tchg_asst_fed_hhs_oth_v	Support: Teaching Assistantships - Other HHS	
200	ft_tchg_asst_fed_nsf_v	Support: Teaching Assistantships - National Science Foundation	
201	ft_tchg_asst_fed_doa_v	Support: Teaching Assistantships - Department of Agriculture	
202	ft_tchg_asst_fed_nasa_v	Support: Teaching Assistantships - NASA	
203	ft_tchg_asst_fed_doe_v	Support: Teaching Assistantships - DOE	
204	ft_tchg_asst_fed_oth_v	Support: Teaching Assistantships - Other Federal Sources	
205	ft_tchg_asst_nonfed_inst_sup_v	Support: Teaching Assistantships - Institutional Support	
206	ft_tchg_asst_nonfed_oth_us_v	Support: Teaching Assistantships - Other U.S. Sources	
207	ft_tchg_asst_nonfed_forgn_v	Support: Teaching Assistantships - Non-U.S. Sources	
208	ft_oth_mech_all_srces_v	Support: Other Types of Support - Total, All Sources	
209	ft_oth_mech_fed_dod_v	Support: Other Types of Support - Department of Defense	
210	ft_oth_mech_fed_hhs_nih_v	Support: Other Types of Support - National Institutes of Health	
211	ft_oth_mech_fed_hhs_oth_v	Support: Other Types of Support - Other HHS	
212	ft_oth_mech_fed_nsf_v	Support: Other Types of Support - National Science Foundation	
213	ft_oth_mech_fed_doa_v	Support: Other Types of Support - Department of Agriculture	
214	ft_oth_mech_fed_nasa_v	Support: Other Types of Support - NASA	
215	ft_oth_mech_fed_doe_v	Support: Other Types of Support - DOE	
216	ft_oth_mech_fed_oth_v	Support: Other Types of Support - Other Federal Sources	
217	ft_oth_mech_nonfed_inst_sup_v	Support: Other Types of Support - Institutional Support	
218	ft_oth_mech_nonfed_oth_us_v	Support: Other Types of Support - Other U.S. Sources	
219	ft_oth_mech_nonfed_forgn_v	Support: Other Types of Support - Foreign Sources	
220	ft_oth_mech_self_sup_v	Support: Other Types of Support - Self-Support	

	Variable	Label	Type
221	pd_tot_all_races_v	Postdoc: Total - All Racial/Ethnic Groups	
222	pd_tot_us_v	Postdoc: Total - U.S. Sources	
223	pd_tot_forgn_v	Postdoc: Total – Foreign	
224	pd_tot_hisp_v	Postdoc: Total - Hispanic (one or more races)	
225	pd_tot_indian_v	Postdoc: Total - American Indian/Alaskan	
226	pd_tot_asian_v	Postdoc: Total – Asian	
227	pd_tot_black_v	Postdoc: Total – Black	
228	pd_tot_pacific_v	Postdoc: Total - Native Hawaiian or Other Pacific Islander	
229	pd_tot_white_v	Postdoc: Total – White	
230	pd_tot_multi_non_hisp_v	Postdoc: Total - More than one race (non-Hispanic)	
231	pd_tot_unknown_v	Postdoc: Total - Unknown or not stated	
232	pd_men_all_races_v	Postdoc: Men - All Racial/Ethnic Groups	
233	pd_men_forgn_v	Postdoc: Men – Foreign	
234	pd_men_hisp_v	Postdoc: Men - Hispanic (one or more races)	
235	pd_men_indian_v	Postdoc: Men - American Indian/Alaskan	
236	pd_men_asian_v	Postdoc: Men – Asian	
237	pd_men_black_v	Postdoc: Men – Black	
238	pd_men_pacific_v	Postdoc: Men - Native Hawaiian or Other Pacific Islander	
239	pd_men_white_v	Postdoc: Men - White	
240	pd_men_multi_non_hisp_v	Postdoc: Men - More than one race (non-Hispanic)	
241	pd_men_unknown_v	Postdoc: Men - Unknown or not stated	
242	pd_wmen_all_races_v	Postdoc: Women - All Racial/Ethnic Groups	
243	pd_wmen_forgn_v	Postdoc: Women - Foreign	
244	pd_wmen_hisp_v	Postdoc: Women - Hispanic (one or more races)	
245	pd_wmen_indian_v	Postdoc: Women - American Indian/Alaskan	
246	pd_wmen_asian_v	Postdoc: Women - Asian	
247	pd_wmen_black_v	Postdoc: Women - Black	
248	pd_wmen_pacific_v	Postdoc: Women - Native Hawaiian or Other Pacific Islander	
249	pd_wmen_white_v	Postdoc: Women - White	
250	pd_wmen_multi_non_hisp_v	Postdoc: Women - More than one race (non-Hispanic)	
251	pd_wmen_unknown_v	Postdoc: Women - Unknown or not stated	
252	pd_tot_all_srcs_v	Postdoc: Total - All Sources of Support	
253	pd_tot_fed_all_srcs_v	Postdoc: Total - All Federal Sources of Support	
254	pd_tot_fed_dod_v	Postdoc: Total - Department of Defense	
255	pd_tot_fed_hhs_nih_v	Postdoc: Total - National Institutes of Health	
256	pd_tot_fed_hhs_oth_v	Postdoc: Total - Other HHS	
257	pd_tot_fed_nsf_v	Postdoc: Total - National Science Foundation	
258	pd_tot_fed_doa_v	Postdoc: Total - Department of Agriculture	
259	pd_tot_fed_nasa_v	Postdoc: Total - NASA	
260	pd_tot_fed_doe_v	Postdoc: Total - DOE	
261	pd_tot_fed_oth_v	Postdoc: Total - Other Federal Sources	
262	pd_tot_nonfed_all_srcs_v	Postdoc: Total - Non-Federal Support	
263	pd_tot_nonfed_inst_sup_v	Postdoc: Total - Institutional Support	
264	pd_tot_nonfed_oth_us_v	Postdoc: Total - Other U.S. Sources	

	Variable	Label	Type
265	pd_tot_nonfed_forgn_v	Postdoc: Total - Foreign Sources	
266	pd_tot_self_sup_v	Postdoc: Total - Personal Resources	
267	pd_tot_unknown_sup_v	Postdoc: Total - Unknown or not stated	
268	pd_felshp_all_srcs_v	Postdoc: Fellowships - All Sources of Support	
269	pd_felshp_fed_all_srcs_v	Postdoc: Fellowships - All Federal Sources of Support	
270	pd_felshp_fed_dod_v	Postdoc: Fellowships - Department of Defense	
271	pd_felshp_fed_hhs_nih_v	Postdoc: Fellowships - National Institutes of Health	
272	pd_felshp_fed_hhs_oth_v	Postdoc: Fellowships - Other HHS	
273	pd_felshp_fed_nsf_v	Postdoc: Fellowships - National Science Foundation	
274	pd_felshp_fed_doa_v	Postdoc: Fellowships - Department of Agriculture	
275	pd_felshp_fed_nasa_v	Postdoc: Fellowships - NASA	
276	pd_felshp_fed_doe_v	Postdoc: Fellowships - DOE	
277	pd_felshp_fed_oth_v	Postdoc: Fellowships - Other Federal Sources	
278	pd_felshp_nonfed_all_srcs_v	Postdoc: Fellowships - Non-Federal Support	
279	pd_felshp_nonfed_inst_sup_v	Postdoc: Fellowships - Institutional Support	
280	pd_felshp_nonfed_oth_us_v	Postdoc: Fellowships - Other U.S. Sources	
281	pd_felshp_nonfed_forgn_v	Postdoc: Fellowships - Foreign Sources	
282	pd_felshp_unknown_sup_v	Postdoc: Fellowships - Unknown or not stated	
283	pd_trneeshp_all_srcs_v	Postdoc: Traineeships - All Sources of Support	
284	pd_trneeshp_fed_all_srcs_v	Postdoc: Traineeships - All Federal Sources of Support	
285	pd_trneeshp_fed_dod_v	Postdoc: Traineeships - Department of Defense	
286	pd_trneeshp_fed_hhs_nih_v	Postdoc: Traineeships - National Institutes of Health	
287	pd_trneeshp_fed_hhs_oth_v	Postdoc: Traineeships - Other HHS	
288	pd_trneeshp_fed_nsf_v	Postdoc: Traineeships - National Science Foundation	
289	pd_trneeshp_fed_doa_v	Postdoc: Traineeships - Department of Agriculture	
290	pd_trneeshp_fed_nasa_v	Postdoc: Traineeships - NASA	
291	pd_trneeshp_fed_doe_v	Postdoc: Traineeships - DOE	
292	pd_trneeshp_fed_oth_v	Postdoc: Traineeships - Other Federal Sources	
293	pd_trneeshp_nonfed_all_srcs_v	Postdoc: Traineeships - Non-Federal Support	
294	pd_trneeshp_nonfed_inst_sup_v	Postdoc: Traineeships - Institutional Support	
295	pd_trneeshp_nonfed_oth_us_v	Postdoc: Traineeships - Other U.S. Sources	
296	pd_trneeshp_nonfed_forgn_v	Postdoc: Traineeships - Foreign Sources	
297	pd_trneeshp_unknown_sup_v	Postdoc: Traineeships - Unknown or not stated	
298	pd_rschn_grnt_all_srcs_v	Postdoc: Research Grants - All Sources of Support	
299	pd_rschn_grnt_fed_all_srcs_v	Postdoc: Research Grants - All Federal Sources of Support	
300	pd_rschn_grnt_fed_dod_v	Postdoc: Research Grants - Department of Defense	
301	pd_rschn_grnt_fed_hhs_nih_v	Postdoc: Research Grants - National Institutes of Health	
302	pd_rschn_grnt_fed_hhs_oth_v	Postdoc: Research Grants - Other HHS	
303	pd_rschn_grnt_fed_nsf_v	Postdoc: Research Grants - National Science Foundation	
304	pd_rschn_grnt_fed_doa_v	Postdoc: Research Grants - Department of Agriculture	
305	pd_rschn_grnt_fed_nasa_v	Postdoc: Research Grants - NASA	
306	pd_rschn_grnt_fed_doe_v	Postdoc: Research Grants - DOE	
307	pd_rschn_grnt_fed_oth_v	Postdoc: Research Grants - Other Federal Sources	
308	pd_rschn_grnt_nonfed_all_srcs_v	Postdoc: Research Grants - Non-Federal Support	

	Variable	Label	Type
309	pd_rschr_grnt_nonfed_inst_sup_v	Postdoc: Research Grants - Institutional Support	
310	pd_rschr_grnt_nonfed_oth_us_v	Postdoc: Research Grants - Other U.S. Sources	
311	pd_rschr_grnt_nonfed_forgn_v	Postdoc: Research Grants - Foreign Sources	
312	pd_rschr_grnt_unknown_sup_v	Postdoc: Research Grants - Unknown or not stated	
313	pd_oth_mech_all_srcs_v	Postdoc: Other Mechanisms - All Sources of Support	
314	pd_oth_mech_fed_all_srcs_v	Postdoc: Other Mechanisms - All Federal Sources of Support	
315	pd_oth_mech_fed_dod_v	Postdoc: Other Mechanisms - Department of Defense	
316	pd_oth_mech_fed_hhs_nih_v	Postdoc: Other Mechanisms - National Institutes of Health	
317	pd_oth_mech_fed_hhs_oth_v	Postdoc: Other Mechanisms - Other HHS	
318	pd_oth_mech_fed_nsf_v	Postdoc: Other Mechanisms - National Science Foundation	
319	pd_oth_mech_fed_doa_v	Postdoc: Other Mechanisms - Department of Agriculture	
320	pd_oth_mech_fed_nasa_v	Postdoc: Other Mechanisms - NASA	
321	pd_oth_mech_fed_doe_v	Postdoc: Other Mechanisms - DOE	
322	pd_oth_mech_fed_oth_v	Postdoc: Other Mechanisms - Other Federal Sources	
323	pd_oth_mech_nonfed_all_srcs_v	Postdoc: Other Mechanisms - Non-Federal Support	
324	pd_oth_mech_nonfed_inst_sup_v	Postdoc: Other Mechanisms - Institutional Support	
325	pd_oth_mech_nonfed_oth_us_v	Postdoc: Other Mechanisms - Other U.S. Sources	
326	pd_oth_mech_nonfed_forgn_v	Postdoc: Other Mechanisms - Foreign Sources	
327	pd_oth_mech_self_sup_v	Postdoc: Other Mechanisms - Personal Resources	
328	pd_oth_mech_unknown_sup_v	Postdoc: Other Mechanisms - Unknown or not stated	
329	pd_tot_men_all_srcs_v	Postdoc: Men - All Sources of Support	
330	pd_felshp_men_all_srcs_v	Postdoc: Men - Fellowships	
331	pd_trneeshp_men_all_srcs_v	Postdoc: Men - Traineeships	
332	pd_rschr_grnt_men_all_srcs_v	Postdoc: Men - Research Grants	
333	pd_oth_mech_men_all_srcs_v	Postdoc: Men - Other Mechanisms	
334	pd_tot_wmen_all_srcs_v	Postdoc: Women - All Sources of Support	
335	pd_felshp_wmen_all_srcs_v	Postdoc: Women - Fellowships	
336	pd_trneeshp_wmen_all_srcs_v	Postdoc: Women - Traineeships	
337	pd_rschr_grnt_wmen_all_srcs_v	Postdoc: Women - Research Grants	
338	pd_oth_mech_wmen_all_srcs_v	Postdoc: Women - Other Mechanisms	
339	pd_tot_med_degr_v	Postdoc: With Medical Degrees - All Sources of Support	
340	pd_felshp_med_degr_v	Postdoc: With Medical Degrees - Fellowships	
341	pd_trneeshp_med_degr_v	Postdoc: With Medical Degrees - Traineeships	
342	pd_rschr_grnt_med_degr_v	Postdoc: With Medical Degrees - Research Grants	
343	pd_oth_mech_med_degr_v	Postdoc: With Medical Degrees - Other Mechanisms	
344	pd_tot_nonmed_degr_v	Postdoc: With Non-Medical Degrees - All Sources of Support	
345	pd_felshp_nonmed_degr_v	Postdoc: With Non-Medical Degrees - Fellowships	
346	pd_trneeshp_nonmed_degr_v	Postdoc: With Non-Medical Degrees - Traineeships	
347	pd_rschr_grnt_nonmed_degr_v	Postdoc: With Non-Medical Degrees - Research Grants	
348	pd_oth_mech_nonmed_degr_v	Postdoc: With Non-Medical Degrees - Other Mechanisms	
349	pd_tot_dual_degr_v	Postdoc: With Dual Medical-Research Doctoral Degrees - All Sources of Support	
350	pd_felshp_dual_degr_v	Postdoc: With Dual Medical-Research Doctoral Degrees - Fellowships	
351	pd_trneeshp_dual_degr_v	Postdoc: With Dual Medical-Research Doctoral Degrees -	

	Variable	Label	Type
		Traineeships	
352	pd_rschr_grnt_dual_degr_v	Postdoc: With Dual Medical-Research Doctoral Degrees - Research Grants	
353	pd_oth_mech_dual_degr_v	Postdoc: With Dual Medical-Research Doctoral Degrees - Other Mechanisms	
354	pd_tot_unknown_degr_v	Postdoc: With Unknown Degrees - All Sources of Support	
355	pd_felshp_unknown_degr_v	Postdoc: With Unknown Degrees - Fellowships	
356	pd_trneeshp_unknown_degr_v	Postdoc: With Unknown Degrees - Traineeships	
357	pd_rschr_grnt_unknown_degr_v	Postdoc: With Unknown Degrees - Research Grants	
358	pd_oth_mech_unknown_degr_v	Postdoc: With Unknown Degrees - Other Mechanisms	
359	pd_tot_cit_med_degr_v	Postdoc: With Medical Degrees - All Citizenship	
360	pd_us_med_degr_v	Postdoc: With Medical Degrees - U.S. Citizens	
361	pd_forgn_med_degr_v	Postdoc: With Medical Degrees - Foreign Nationals	
362	pd_tot_cit_nonmed_degr_v	Postdoc: With Non-Medical Degrees - All Citizenship	
363	pd_us_nonmed_degr_v	Postdoc: With Non-Medical Degrees - U.S. Citizens	
364	pd_forgn_nonmed_degr_v	Postdoc: With Non-Medical Degrees - Foreign Nationals	
365	pd_tot_cit_dual_degr_v	Postdoc: With Dual Medical-Research Doctoral Degrees - All Citizenship	
366	pd_us_dual_degr_v	Postdoc: With Dual Medical-Research Doctoral Degrees - U.S. Citizens	
367	pd_forgn_dual_degr_v	Postdoc: With Dual Medical-Research Doctoral Degrees - Foreign Nationals	
368	pd_tot_cit_unknown_degr_v	Postdoc: With Unknown Degrees - All Citizenship	
369	pd_us_unknown_degr_v	Postdoc: With Unknown Degrees - U.S. Citizens	
370	pd_forgn_unknown_degr_v	Postdoc: With Unknown Degrees - Foreign Nationals	
371	pd_degr_us_v	Postdoc: Origin of Doctoral Degrees - United States	
372	pd_degr_forgn_v	Postdoc: Origin of Doctoral Degrees - Foreign Country	
373	pd_degr_unknown_orig_v	Postdoc: Origin of Doctoral Degrees - Unknown Origin	
374	nfr_tot_all_degr_v	Nonfaculty Researchers: Total	
375	nfr_men_all_degr_v	Nonfaculty Researchers: Men	
376	nfr_wmen_all_degr_v	Nonfaculty Researchers: Women	
377	nfr_tot_med_degr_v	Nonfaculty Researchers: With Medical Degrees (MD,DO,DDS,DVM)	
378	nfr_men_med_degr_v	Nonfaculty Researchers: With Medical Degrees (MD,DO,DDS,DVM), Men	
379	nfr_wmen_med_degr_v	Nonfaculty Researchers: With Medical Degrees (MD,DO,DDS,DVM), Women	
380	nfr_tot_nonmed_degr_v	Nonfaculty Researchers: With Non-Medical Degree	
381	nfr_men_nonmed_degr_v	Nonfaculty Researchers: With Non-Medical Degree, Men	
382	nfr_wmen_nonmed_degr_v	Nonfaculty Researchers: With Non-Medical Degree, Women	
383	nfr_tot_dual_degr_v	Nonfaculty Researchers: With Dual Medical-Research Doctoral Degree	
384	nfr_men_dual_degr_v	Nonfaculty Researchers: With Dual Medical-Research Doctoral Degree, Men	
385	nfr_wmen_dual_degr_v	Nonfaculty Researchers: With Dual Medical-Research Doctoral Degree, Women	
386	nfr_tot_unknown_degr_v	Nonfaculty Researchers: With Unknown Degrees	

AR = Arkansas	NH = New Hampshire
CA = California	NJ = New Jersey
CO = Colorado	NM = New Mexico
CT = Connecticut	NY = New York
DE = Delaware	NC = North Carolina
DC = District of Columbia	ND = North Dakota
FL = Florida	OH = Ohio
GA = Georgia	OK = Oklahoma
GU = Guam	OR = Oregon
HI = Hawaii	PA = Pennsylvania
ID = Idaho	PR = Puerto Rico
IL = Illinois	RI = Rhode Island
IN = Indiana	SC = South Carolina
IA = Iowa	SD = South Dakota
KS = Kansas	TN = Tennessee
KY = Kentucky	TX = Texas
LA = Louisiana	UT = Utah
ME = Maine	VT = Vermont
MD = Maryland	VI = Virgin Islands
MA = Massachusetts	VA = Virginia
MI = Michigan	WA = Washington
MN = Minnesota	WV = West Virginia
MS = Mississippi	WI = Wisconsin
MO = Missouri	WY = Wyoming

hbcu_flag	Historically Black College Flag 0 = no 1 = yes
land_grant_flag	Land Grant Flag 0 = no 1 = yes
carnegie_code_1994	Carnegie Code 1994 Classification R1—Research Universities I R2—Research Universities II D1—Doctoral Universities I D2—Doctoral Universities II C1—Master’s (Comprehensive) Universities and Colleges I C2—Master’s (Comprehensive) Universities and Colleges II LA1—Baccalaureate (Liberal Arts) Colleges I LA2—Baccalaureate (Liberal Arts) Colleges II 2YR—Associate of Arts Colleges ART—Schools of Art, Music, and Design BUS—Schools of Business and Management ENG—Schools of Engineering and Technology HLT—Other Separate Health Profession Schools LAW—Schools of Law MED—Medical Schools and Medical Centers REL—Theological Seminaries, Bible Colleges, and Other Institutions Offering Degrees in Religion TEA—Teachers Colleges TRI—Tribal Colleges and Universities OTH—Other Specialized Institutions N/A—Not Classified

carnegie_code_2005 Carnegie Code 2005 Classification
carnegie_code_2010 Carnegie Code 2010 Classification

- 1 (Not applicable)
- 0 (Not classified)
- 1 Assoc/Pub-R-S: Associate's--Public Rural-serving Small
- 2 Assoc/Pub-R-M: Associate's--Public Rural-serving Medium
- 3 Assoc/Pub-R-L: Associate's--Public Rural-serving Large
- 4 Assoc/Pub-S-SC: Associate's--Public Suburban-serving Single Campus
- 5 Assoc/Pub-S-MC: Associate's--Public Suburban-serving Multicampus
- 6 Assoc/Pub-U-SC: Associate's--Public Urban-serving Single Campus
- 7 Assoc/Pub-U-MC: Associate's--Public Urban-serving Multicampus
- 8 Assoc/Pub-Spec: Associate's--Public Special Use
- 9 Assoc/PrivNFP: Associate's--Private Not-for-profit
- 10 Assoc/PrivFP: Associate's--Private For-profit
- 11 Assoc/Pub2in4: Associate's--Public 2-year colleges under 4-year universities
- 12 Assoc/Pub4: Associate's--Public 4-year Primarily Associate's
- 13 Assoc/PrivNFP4: Associate's--Private Not-for-profit 4-year Primarily Associate's
- 14 Assoc/PrivFP4: Associate's--Private For-profit 4-year Primarily Associate's
- 15 RU/VH: Research Universities (very high research activity)
- 16 RU/H: Research Universities (high research activity)
- 17 DRU: Doctoral/Research Universities
- 18 Master's L: Master's Colleges and Universities (larger programs)
- 19 Master's M: Master's Colleges and Universities (medium programs)
- 20 Master's S: Master's Colleges and Universities (smaller programs)
- 21 Bac/A&S: Baccalaureate Colleges--Arts & Sciences
- 22 Bac/Diverse: Baccalaureate Colleges--Diverse Fields
- 23 Bac/Assoc: Baccalaureate/Associate's Colleges
- 24 Spec/Faith: Special Focus Institutions--Theological seminaries, Bible colleges, and other faith-related institutions
- 25 Spec/Med: Special Focus Institutions--Medical schools and medical centers
- 26 Spec/Health: Special Focus Institutions--Other health professions schools
- 27 Spec/Eng: Special Focus Institutions--Schools of engineering
- 28 Spec/Tech: Special Focus Institutions--Other technology-related schools
- 29 Spec/Bus: Special Focus Institutions--Schools of business and management
- 30 Spec/Arts: Special Focus Institutions--Schools of art, music, and design
- 31 Spec/Law: Special Focus Institutions--Schools of law
- 32 Spec/Other: Special Focus Institutions--Other special-focus institutions
- 33 Tribal: Tribal Colleges

school_type_code School Type:

- G (Graduate) = Graduate Schools
- M (Medical) = AAMC Member Medical Schools
- N (Nursing) = Schools of Nursing
- O (Osteopathic) = Schools of Osteopathic Medicine
- P (Public) = Schools of Public Health
- D (Dentistry) = Schools of Dentistry
- V (Veterinary) = Schools of Veterinary Medicine
- H (Hospital) = Hospital-Affiliated Medical Research Centers
- A (Allied) = Schools of Professional or Allied Health
- B (Both) = Schools With Programs From Both a Graduate School and an AAMC Member Medical School
- U (Unique) = Other Health Sciences Schools

gss_code GSS Degree Program (Field of Study) Code

- Engineering
 - 101 Aerospace Engineering

- 102 Agricultural Engineering
- 940 Architecture
- 103 Biomedical Engineering
- 104 Chemical Engineering
- 105 Civil Engineering
- 106 Electrical Engineering
- 107 Engineering Science and Engineering Physics
- 108 Industrial/Manufacturing Engineering
- 109 Mechanical Engineering
- 110 Metallurgical and Materials Engineering
- 111 Mining Engineering
- 112 Nuclear Engineering
- 113 Petroleum Engineering
- 114 Engineering, not elsewhere classified (n.e.c.)

Physical Sciences

- 201 Astronomy
- 202 Chemistry
- 203 Physics
- 204 Physical science, n.e.c.*

Earth, Atmospheric, and Ocean Sciences

- 301 Atmospheric Sciences
- 302 Geosciences
- 303 Ocean Sciences
- 304 Earth, Atmospheric, and Ocean Sciences, n.e.c.

Computer Sciences

- 401 Computer Sciences

Mathematical Sciences

- 402 Mathematics and Applied Mathematics
- 403 Statistics

Agricultural Sciences

- 501 Agricultural Sciences

Biological Sciences

- 601 Anatomy
- 602 Biochemistry
- 603 Biology
- 604 Biometry and Epidemiology
- 605 Biophysics
- 606 Botany
- 607 Cell and Molecular Biology
- 608 Ecology
- 609 Entomology and Parasitology
- 610 Genetics
- 611 Microbiology, Immunology, and Virology
- 612 Nutrition
- 613 Pathology
- 614 Pharmacology
- 615 Physiology
- 616 Zoology
- 617 Biological Sciences, n.e.c.

Health Sciences (selected)

- 701 Anesthesiology
- 702 Cardiology
- 703 Oncology/Cancer Research
- 704 Endocrinology
- 705 Gastroenterology
- 706 Hematology
- 707 Neurology
- 708 Obstetrics and Gynecology
- 709 Ophthalmology
- 710 Otorhinolaryngology
- 711 Pediatrics
- 712 Preventive Medicine and Community Health
- 713 Psychiatry
- 714 Pulmonary Disease
- 715 Radiology
- 716 Surgery
- 717 Clinical Medicine, n.e.c.
- 718 Dental Sciences
- 719 Nursing
- 720 Pharmaceutical Sciences
- 721 Veterinary Sciences
- 722 Health Related, n.e.c.
- 723 Communication Disorders Sciences

Psychology

- 801 Psychology, Combined
- 802 Psychology, Except Clinical
- 803 Clinical Psychology

Social Sciences

- 901 Agricultural Economics
- 902 Anthropology (Cultural and Social)
- 903 Economics
- 904 Geography
- 905 History and Philosophy of Science
- 906 Linguistics
- 907 Political Science/Public Administration
- 908 Sociology
- 909 Sociology/Anthropology
- 910 Social Sciences, n.e.c.

Family and Consumer Sciences/Human Sciences

- 920 Family and Consumer Sciences/Human Sciences

Communication

- 930 Communication

Neuroscience

- 950 Neuroscience

Multidisciplinary/Interdisciplinary Studies

- 980 Multidisciplinary/Interdisciplinary Studies

hdg_code Highest Degree Program Offered by GSS Code (may change from year to year)

- 1 = Doctorate-granting (at least one S&E doctoral organizational unit)
- 2 = Master's-granting
- 3 = No PhD or Master's Equivalent (usually postdoctorate organizational unit)

HISTORICAL CHANGES IN THE GSS

Changes have been made to the coverage and content of the GSS to keep it relevant to the needs of data users. Such changes prevent precise maintenance of trend data; therefore, some data items are not available for all institutions in all years. Major changes in the data collected (with the year in which changes became effective) are available in Appendix A: Technical Notes of the *Graduate Students and Postdoctorates in Science and Engineering: Fall YYYY* report series in the NCSES website at: <http://www.nsf.gov/statistics/gradpostdoc/>.

DATA ELEMENT AVAILABILITY BY YEAR

Graduate student data are available annually for the years 1972–2012. Tables in Appendix A show the types of data available in the GSS by survey year and the changes to the data item categories used to collect citizenship, race/ethnicity, source of support, and mechanism of support. Availability on the public use data file is indicated by an X. These tables do not show changes to the GSS coverage of institutions or field. Data users are encouraged to review the Aggregate Totals by Year summary found in Appendix B for more details regarding these changes.

DATA IMPUTATION

Depending on the historical reporting pattern of a given unit, and on an indicator of whether or not the unit currently has the specified class of personnel, the imputation procedures were different. If the partial responding units had qualified historical data, we used the carry forward method. The historical data are qualified if they are from 1980 or later for graduate students, or from 2010 or later for postdocs and nonfaculty researchers, and if the historical data are consistent with the current indicators (i.e., report similar totals). If the partial responding units did not have qualified historical data, the nearest neighbor method of imputation was used. For total non-responding units, if there was no qualified historical data, an adjusted enrollment method using IPEDS enrollment data was used. If a total non-responding unit had no historical data and no IPEDS data, then the unit's values were set to zero. Finally, for a limited number of units, data reported at the school or institution level were allocated to units according to historical proportions or institution instructions.

The *carry-forward* imputation method used inflation factors calculated for four key variables (total full-time students, total part-time students, total postdoctoral appointees, and total nonfaculty doctoral researchers) to account for year-to-year change. These factors were calculated on the basis of fully responding organizational units in both the current and previous years' surveys for each combination of unit's highest granting degree level and discipline. For non-responding units, the key variables were estimated by applying the appropriate inflator/deflator to the most recent qualified historical data values for that unit. The key variables were then distributed among the various subtotal and detail fields by using the same relative percentages that were last reported by that institution.

For the *nearest neighbor* imputation method, a donor was selected as the “nearest neighbor” to the nonresponding unit based on the same field of study and similar values of correlated variables reported in the GSS survey. The imputed values were calculated by adjusting the donor’s values to account for the differences in the relevant key variables between the two units. Full-time and part-time graduate student variables were imputed from the same donor. Postdoctoral variables and nonfaculty researcher variables were imputed in separate groups, which could have led to a maximum of three donors for the same unit.

Imputation rates for all survey data cells are calculated annually for various combinations of institutions and departments as determined by discipline, highest degree granted, and level of department. At the grand total level (that is, all departments at all graduate institutions), the 2012 imputation rates for the key variables ranged from 0.6 percent for total full-time students to 7.3 percent for total nonfaculty doctoral researchers.

New postdoctoral and nonfaculty researcher variables were introduced in the 2010 GSS. The new variables were subdivisions of the key totals. Carry forward imputation of these new variables was not possible in 2010, and methods for imputation required some research to determine criteria for selecting nearest neighbor donors. Thus, the new variables were fully imputed for the first time with the 2012 GSS. Once 2012 was fully imputed, the 2010 and 2011 postdoctoral and nonfaculty researcher variables, including key totals, were reimputed to create full datasets for those cycles. The 2012 data served as qualified “historical” data for carry backward imputation, which is identical to carry forward imputation except that a more recent period serves as the “historical” period to which inflation/deflation factors are applied.

Imputation status codes are available upon request in a supplemental dataset which contain records at the organizational unit level for each year of the study.

CONFIDENTIALITY

Data from the Graduate Student Survey are not considered confidential as all data are based on aggregate counts.

SURVEY QUESTIONNAIRE

Copies of survey questionnaires for fall 1996 through fall 2012 are available on the NCSES website at: <http://www.nsf.gov/statistics/question.cfm#2>. Appendix C contains the 2012 survey questionnaire with annotated variable names for the corresponding data elements. Data users requiring information for earlier years in can contact the National Science Foundation, GSS project officer.

In addition to reviewing the instructions and definitions provided in the questionnaire, data analysts are advised that institutions occasionally revise prior year data, so the most recent versions of the data for all years should be used in trend data analyses. This last occurred during the 2007 cycle, when the University of Houston revised their 2006 postdoc counts.