



Federal FY 2012 S&E Obligations to Academic and Nonprofit Institutions: Focus on Minority-Serving Institutions

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In FY 2012, federal agencies obligated a total of \$30.8 billion for science and engineering (S&E) to 1,073 academic institutions. This represents a 2% decrease in current dollars from the \$31.4 billion obligated to 1,134 academic institutions in FY 2011. Levels of support to minority-serving academic institutions in FY 2012 varied according to institution type, with historically black colleges and universities (HBCUs) seeing the largest drop (-10%). Federal S&E support to nonprofit institutions declined 7% from the FY 2011 level.

Federal academic S&E obligations include six categories (see “Data Sources, Limitations, and Availability” for category names and definitions), of which research and development annually accounts for the majority. In FY 2012, R&D accounted for \$27.4 billion (89%) of total academic S&E support (table 1).

Four federal agencies provided 91% of federal S&E support to academic institutions: the Department of Health and Human Services (HHS) (58%), the National Science Foundation (NSF) (17%), the Department of Defense (DOD) (12%), and the Department of

Agriculture (USDA) (4%). Most of the remaining academic S&E total was split between the Department of Energy (DOE) (3%) and the National Aeronautics and Space Administration (NASA) (3%) (table 1).

Federal S&E Support to Minority-Serving Academic Institutions

The NSF federal S&E support survey tracks obligations to three categories of minority-serving institutions:² HBCUs, high-Hispanic-enrollment (HHE) institutions, and tribal colleges and universities.

Historically Black Colleges and Universities

Ninety of the 105 HBCUs³ (<http://www.ed.gov/edblogs/whhbcu/one-hundred-and-five-historically-black-colleges-and-universities/>) received a combined \$400.3 million in FY 2012 federal academic S&E obligations, a decrease of 10% from FY 2011 levels. This decrease was the second consecutive annual current-dollar decrease in HBCU funding, resulting in an FY 2012 total that is less than the annual funding in any year since FY 2000. Three agencies contributed 87% of all

federal academic S&E obligations to HBCUs: USDA (33%), HHS (30%), and NSF (23%). Overall, 58% of federal S&E obligations to HBCUs supported R&D. Thirty-one percent of the federal total supported other S&E activities at HBCUs, such as support of teacher institutes and programs designed to increase students’ scientific knowledge, compared with a 6% share that this category accounted for at all academic institutions nationwide. The majority of HBCU support from DOD, DOE, HHS, and NASA (from 75% to 100%) was for R&D. By comparison, 52% of all HBCU support from NSF and 48% from USDA were for other S&E activities. Those two agencies accounted for 91% of all funds for HBCUs’ other S&E activities (tables 1 and 2).

The top 20 HBCUs ranked by federal academic S&E support accounted for 72% of the academic S&E total for HBCUs in FY 2012. The Morehouse School of Medicine was the leading HBCU recipient of federal S&E obligations, receiving \$28.2 million in FY 2012, of which 81% was for R&D (table 2). The Morehouse School of Medicine received 99.6% of its S&E total from HHS (data not shown).

TABLE 1. Federal academic science and engineering obligations, by activity and agency: FY 2012
(Dollars in thousands)

Activity	All federal obligations	DOD	DOE	HHS	NASA	NSF	USDA	Other agencies ^a
All universities and colleges	30,812,950	3,636,630	1,017,628	17,870,048	970,566	5,113,051	1,220,286	984,741
Research and development	27,384,769	2,753,270	1,009,194	17,026,555	970,566	4,170,187	657,216	797,781
R&D plant	424,198	0	0	6,067	0	391,979	38	26,115
Facilities and equipment for S&E instruction	3,866	116	0	0	0	0	90	3,660
Fellowships, traineeships, and training grants	912,749	28	8,434	756,873	0	27,775	55,459	64,180
General support for science and engineering	140,781	20,553	0	74,165	0	29,901	0	16,161
Other S&E activities	1,946,586	862,662	0	6,388	0	493,209	507,483	76,844
All HBCUs	400,293	19,388	9,289	122,050	3,743	93,585	132,884	19,355
Research and development	231,942	18,774	9,009	91,073	3,743	41,483	62,370	5,490
R&D plant	3,076	0	0	0	0	3,076	0	0
Facilities and equipment for S&E instruction	50	0	0	0	0	0	50	0
Fellowships, traineeships, and training grants	27,225	0	280	15,710	0	450	6,863	3,923
General support for science and engineering	15,000	0	0	15,000	0	0	0	0
Other S&E activities	123,000	614	0	268	0	48,576	63,600	9,942
All HHE institutions	524,662	44,507	21,198	260,778	37,896	113,280	28,816	18,186
Research and development	430,527	29,160	20,383	240,139	37,896	81,861	9,150	11,937
R&D plant	1,825	0	0	0	0	1,759	0	66
Facilities and equipment for S&E instruction	0	0	0	0	0	0	0	0
Fellowships, traineeships, and training grants	37,032	0	815	20,639	0	1,656	8,509	5,413
General support for science and engineering	972	340	0	0	0	633	0	0
Other S&E activities	54,305	15,007	0	0	0	27,372	11,156	770
All tribal colleges and universities	31,886	573	0	1,526	0	9,739	13,829	6,218
Research and development	11,605	573	0	892	0	2,065	1,857	6,218
R&D plant	0	0	0	0	0	0	0	0
Facilities and equipment for S&E instruction	0	0	0	0	0	0	0	0
Fellowships, traineeships, and training grants	8,211	0	0	385	0	0	7,826	0
General support for science and engineering	0	0	0	0	0	0	0	0
Other S&E activities	12,071	0	0	250	0	7,674	4,146	0

DOD = Department of Defense; DOE = Department of Energy; HBCU = historically black colleges and universities; HHE = high Hispanic enrollment; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; S&E = science and engineering; USDA = U.S. Department of Agriculture.

^a Other includes obligations from the following agencies: the Agency for International Development, the Appalachian Regional Commission, the Department of Homeland Security, the Department of Housing and Urban Development, the Department of Transportation, the Nuclear Regulatory Commission, the Office of Justice Programs, and the Social Security Administration.

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, FY 2012.

In 2012, HBCUs accounted for 4% (16) of all (418) research doctorate-granting institutions.⁴ Despite this small share, HBCUs graduated 12% (136) of all black or African American S&E doctorate recipients (1,161) in 2012. In addition, 25% of all black or African American S&E doctorate recipients in 2012 had earned a bachelor's degree

from an HBCU (including from those HBCUs that do and do not offer a research doctorate degree) (table 3).

High-Hispanic-Enrollment Institutions

In FY 2012, 87 HHE institutions⁵ (out of 383 universities and colleges designated as HHE institutions nationwide)

received \$524.7 million in federal academic S&E support. This amount represents a 26% increase over FY 2011 levels for HHE institutions, but two of the four HHE institutions receiving the largest shares of federal S&E obligations in FY 2012 were not designated HHE institutions in FY 2011. For all HHE institutions in FY

TABLE 2. Federal obligations for science and engineering and for research and development to historically black colleges and universities, ranked by total amount received in FY 2012: FYs 2009–12 (Dollars in thousands)

Institution	2009 ^a		2010 ^a		2011		2012	
	All federal obligations	R&D	All federal obligations	R&D	All federal obligations	R&D	All federal obligations	R&D
All HBCUs	458,018	266,757	495,255	282,227	446,186	256,189	400,293	231,942
Morehouse School of Medicine	30,105	23,376	50,522	34,995	26,647	20,981	28,223	23,001
NC Agricultural and Technical State U.	25,083	14,391	27,916	14,470	24,717	15,189	26,688	15,811
Meharry Medical C.	33,036	25,268	37,732	25,141	26,364	20,387	24,872	18,703
Howard U.	21,892	17,916	20,599	15,243	18,455	13,529	23,797	15,437
Tuskegee U.	18,459	7,487	18,490	9,070	27,366	12,365	19,754	15,118
FL A&M U.	27,570	16,493	23,709	13,696	15,859	8,723	15,431	7,433
Prairie View A&M U.	11,788	5,605	14,983	7,202	15,203	8,007	14,975	7,288
AL A&M U.	13,656	8,005	11,866	5,998	10,317	4,988	14,603	7,103
Jackson State U.	25,241	19,313	21,975	16,503	17,016	12,117	13,395	8,353
TN State U.	12,486	5,085	16,001	6,823	20,025	9,620	12,194	6,855
DE State U.	7,031	2,861	6,004	2,535	8,447	3,786	11,500	7,077
Lincoln U., Jefferson City	9,668	5,207	9,430	4,426	11,765	6,920	10,156	4,887
VA State U.	8,487	3,178	10,012	4,997	8,717	3,974	9,910	3,739
Southern U. and A&M C., system office	14,433	5,619	16,126	6,699	10,048	5,020	9,878	4,447
Hampton U.	9,566	5,087	14,861	4,599	10,130	8,671	9,858	7,280
KY State U.	8,310	3,251	10,133	5,063	10,060	4,285	9,821	4,588
Ft. Valley State U.	7,515	2,704	8,689	3,634	10,535	5,364	8,974	3,925
Alcorn State U.	7,460	3,534	8,926	4,827	7,004	3,162	8,455	4,578
Dillard U.	1,656	1,623	2,941	2,495	7,916	2,467	8,326	2,677
U. MD, Eastern Shore	6,119	2,669	10,986	5,924	7,737	3,725	8,107	4,065
All other HBCUs	158,456	88,086	153,358	87,887	151,860	82,908	111,378	59,579

HBCUs = historically black colleges and universities.

^a Includes American Recovery and Reinvestment Act of 2009 obligations.

NOTES: Because of rounding, detail may not add to totals. Institution order is based on total actual dollars received before amounts are rounded.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions.

2012, 82% of their total S&E obligations were for R&D programs (HHE institutions received 50% of their federal academic S&E support from HHS in FY 2012) (table 1).

The majority of FY 2012 HHE institutions' academic S&E support from HHS (92%) and NSF (72%) came in the form of R&D projects. NSF provided 22% of all federal S&E obligations to HHE institutions, compared with NSF's smaller 17% share of the total provided to all universities and colleges. NSF

provided 50% of federal obligations to the next largest category of S&E support to HHE institutions, other S&E activities (10% of all HHE federal S&E support) (table 1).

The top 20 HHE institutions accounted for 87% of the academic S&E total in FY 2012 for all such institutions (table 4). The University of Texas Health Science Center at San Antonio was the leading HHE recipient of federal academic S&E obligations in FY 2012. HHS provided 91%

of its \$79.7 million academic S&E total (data not shown).

In 2012, HHE institutions accounted for 6% (26) of total (418) research doctorate-granting institutions. HHE institutions graduated more than four times (17%) their relative share of Hispanic or Latino S&E doctorate recipients in 2012. Furthermore, 30% of all Hispanic or Latino S&E doctorate recipients previously had earned a bachelor's degree from an HHE institution (including those that

TABLE 3. Science and engineering doctorates awarded to American Indians or Alaska Natives, blacks or African Americans, and Hispanics or Latinos at minority-serving institutions: FY 2012

Race or ethnicity	Doctorate recipients
All doctorate recipients	51,008
All S&E doctorate recipients	37,777
American Indian or Alaska Native ^a	
Total S&E doctorate recipients	60
S&E doctorate recipients from tribal colleges and universities	0
S&E doctorate recipients with bachelor's degree from tribal colleges and universities	0
Black or African American	
Total S&E doctorate recipients	1,161
S&E doctorate recipients from HBCUs ^b	136
S&E doctorate recipients with bachelor's degree from HBCUs	290
Hispanic or Latino ^c	
Total S&E doctorate recipients	1,468
S&E doctorate recipients from HHE institutions ^d	253
S&E doctorate recipients with bachelor's degree from HHE institutions	436

HBCU = historically black college or university; HHE = high Hispanic enrollment; S&E = science and engineering.

^a In 2012, none of the 32 tribal colleges and universities were research doctorate-granting institutions.

^b In 2012, there were 105 HBCUs; of these, 16 are research doctorate-granting institutions.

^c Includes Mexican American, Puerto Rican, and other Hispanic ethnicities.

^d In 2012, there were 383 HHE institutions; of these, 26 are research doctorate-granting institutions.

NOTES: The Survey of Earned Doctorates is an annual census conducted since 1957 of all individuals receiving a research doctorate from an accredited U.S. institution in a given academic year. The population eligible for the 2012 survey consisted of all individuals who received a research doctorate from a U.S. academic institution in the 12-month period ending 30 June 2012. The total universe consisted of 51,008 persons in 418 institutions that conferred research doctorates in 2012.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2012.

do and do not offer a research doctorate degree) (table 3).

Tribal Colleges and Universities

There were 32 tribal colleges and universities⁶ (from a total of 34) that received \$31.9 million in federal academic S&E obligations in FY 2012, a 9% decrease from the total received in FY 2011 (table 5). In FY 2012, R&D programs comprised 36% of total federal S&E support to tribal colleges and universities, compared with the 89% share for all academic institutions. The rest of the tribal college and universities' federal S&E support was split between other S&E activities (38%) and fellowships, traineeships, and training grants (26%) (table 1).

USDA provided the largest amount (\$13.8 million) and share (43%) of federal S&E funding to tribal colleges and universities. USDA provided this support primarily through fellowships, traineeships, and training grants, which represented 57% of its total S&E funding to tribal colleges and universities in FY 2012. Most of NSF's S&E funding to tribal colleges and universities was for other S&E activities (79%). NSF and USDA, combined, funded 74% of the academic S&E total to tribal colleges and universities in FY 2012 (table 1).

In FY 2012, Salish Kootenai College was the leading tribal college or university recipient of federal academic S&E obligations, as it has been since

FY 2006 (table 5). NSF and USDA provided 63% of Salish Kootenai College S&E support (data not shown), and R&D made up 50% of its federal academic S&E obligations.

Federal S&E Support to Nonprofit Institutions

NSF collects statistics on federal obligations to independent nonprofit institutions for two of the six S&E categories—R&D and R&D plant. During FY 2012, federal agencies obligated \$6.8 billion to 1,119 nonprofit institutions, a decrease of 7% from the \$7.3 billion reported in FY 2011 (table 6). DOD accounted for the largest decrease in funding (\$0.7 billion). Massachusetts General Hospital received the most federal R&D and R&D plant funds (\$352 million) among nonprofits in FY 2012, with HHS providing 98% of its funding (data not shown).

In FY 2012, the 10 leading nonprofit institutions in terms of federal S&E funds received made up 34.1% of the total funding to all nonprofits. Six of these recipients were hospitals or medical research institutes, and 8 of these leading 10 nonprofits in FY 2012 also ranked among the top 10 in the prior year. Beth Israel Deaconess Medical Center (ranked 11th in FY 2011 and 10th in FY 2012) and the Southwest Research Institute (ranked 20th in FY 2011 and 9th in FY 2012) moved into the top 10, and the Dana-Farber Cancer Institute (ranked 10th in FY 2011 and 12th in FY 2012) and IIT Research Institute (ranked 9th in FY 2011 and 67th in FY 2011) fell out of the top 10 (table 6).

Data Sources, Limitations, and Availability

The data on federal S&E obligations to academic and nonprofit institutions presented here were obtained from 19 agencies that responded to the FY 2012 Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions

TABLE 4. Federal obligations for science and engineering and for research and development to high-Hispanic-enrollment institutions, ranked by total amount received in FY 2012: FYs 2009–12
(Dollars in thousands)

Institution	2009 ^a		2010 ^a		2011		2012	
	All federal obligations	R&D	All federal obligations	R&D	All federal obligations	R&D	All federal obligations	R&D
All HHE institutions	613,200	421,209	476,506	338,648	417,260	323,784	524,662	430,527
U. TX, Health Science Ctr., San Antonio	na	na	na	na	na	na	79,651	71,544
NM State U., Main Campus ^b	51,557	39,224	51,619	40,906	39,995	33,403	70,795	58,789
U. CA, Riverside	58,070	54,687	59,711	51,303	53,021	50,412	39,647	37,086
San Diego State U., San Diego	na	na	na	na	na	na	38,747	33,074
FL International U.	42,674	37,518	48,379	38,212	44,964	36,927	36,231	32,997
U. TX, El Paso	29,193	18,348	27,818	17,743	25,954	18,652	27,739	18,430
U. PR, Medical Sciences Campus	40,448	34,722	41,227	29,964	30,103	28,204	26,449	26,449
CUNY, City C.	32,346	25,559	30,323	23,584	34,882	29,854	25,542	22,752
U. TX, San Antonio	27,675	24,390	19,269	17,128	24,920	22,380	23,053	20,084
U. PR, Mayaguez	21,333	9,887	22,667	12,264	23,272	9,891	20,170	8,156
U. PR, Rio Piedras	6,788	5,138	16,030	10,871	10,564	8,103	9,431	7,384
U. CA, Merced	9,786	9,142	9,365	8,586	8,847	6,862	9,251	9,199
CA State U., Northridge	10,877	6,375	10,238	7,453	6,182	5,588	8,434	7,765
CA State U., San Bernardino	7,638	4,325	9,564	4,283	4,100	1,754	7,292	3,631
CA State Polytechnic U., Pomona	8,161	4,541	9,440	6,950	9,226	6,819	6,975	5,247
CA State U., Long Beach	10,592	8,475	9,414	8,738	7,395	7,151	6,372	6,082
U. PR, central administration	na	na	na	na	na	na	5,953	5,390
Ponce School of Medicine and Health Sciences	5,942	5,259	4,632	4,519	4,397	4,366	5,691	5,642
U. TX, Brownsville	9,022	5,383	7,986	3,554	4,661	2,883	5,516	5,516
U. Central del Caribe	7,026	5,730	6,089	6,044	4,624	4,250	5,149	4,970
All other institutions	234,072	122,509	92,736	46,546	80,154	46,287	66,576	40,340

na = not applicable; not considered an HHE institution in FY 2011.

HHE = high Hispanic enrollment.

^a Includes American Recovery and Reinvestment Act of 2009 obligations.

^b New Mexico State University's Alamogordo, Carlsbad, and Doña Ana campuses were not counted as HHE institutions in FYs 2009–11; data for these campuses are therefore excluded from the total for those fiscal years.

NOTES: Because of rounding, detail may not add to totals. Institution order is based on total actual dollars received before amounts are rounded. Only those agencies that had obligations in the variables represented by this table appear in the table. This list of HHE institutions includes those whose full-time equivalent enrollment of undergraduate students is at least 25% Hispanic, according to fall 2012 enrollment data self-reported by the institutions in the Integrated Postsecondary Education Data System survey conducted by the National Center for Education Statistics.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions.

(Federal S&E Support Survey). The Federal S&E Support Survey collects federal S&E support data by funding agency, institution, type of activity, type of institution, and geographic location.

The six funding categories of federal S&E support are defined as follows.

- *Research and development* includes all direct, indirect, incidental, or

related costs resulting from or necessary to perform R&D by private individuals and organizations under grant, contract, or cooperative agreement.

- *R&D plant* includes all projects whose principal purpose is to provide support for construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or fixed equipment for use in S&E R&D.

- *Facilities and equipment for S&E instruction* include all programs whose principal purpose is to provide support for construction, acquisition, renovation, modification, repair, or rental of facilities, land, works, or equipment for use in instruction in S&E.

- *Fellowships, traineeships, and training grants* include all fellow-

TABLE 5. Federal obligations for science and engineering and for research and development to tribal colleges, ranked by total amount received in FY 2012: FYs 2009–12
(Dollars in thousands)

Institution	2009 ^a		2010 ^a		2011		2012	
	All federal obligations	R&D	All federal obligations	R&D	All federal obligations	R&D	All federal obligations	R&D
All institutions	37,912	13,184	33,546	9,451	35,031	14,947	31,886	11,605
Salish Kootenai C.	4,938	1,140	3,474	1,244	5,428	1,730	2,640	1,319
C. of Menominee Nation	1,649	757	3,395	832	3,627	1,672	2,552	1,441
Sitting Bull C.	1,771	1,103	1,709	476	1,272	476	2,363	1,090
Ft. Berthold Community C.	2,321	525	1,524	522	1,098	805	2,074	406
Oglala Lakota C.	2,395	582	2,004	782	2,105	1,582	1,902	662
Turtle Mountain Community C.	1,718	826	2,099	582	1,389	683	1,854	566
Aaniih Nakoda C.	1,950	725	1,690	663	1,575	785	1,480	721
Ft. Peck Community C.	1,688	1,080	1,527	513	2,179	956	1,324	497
Northwest Indian C.	1,301	695	2,548	5	1,612	553	1,271	200
Navajo Technical C.	954	0	711	0	793	0	1,114	85
Sinte Gleska U.	778	582	793	582	790	582	1,111	736
Stone Child C.	1,681	793	1,985	479	1,261	878	1,099	602
United Tribes Technical C.	1,155	214	1,151	90	583	273	1,078	145
Cankdeska Cikana Community C.	716	631	1,250	431	920	432	1,063	499
Haskell Indian Nations U.	1,053	656	648	441	943	740	952	512
Institute of American Indian Arts	456	260	196	0	786	578	928	623
Blackfeet Community C.	898	702	834	527	725	527	926	572
Dine C.	1,175	479	1,226	0	465	272	833	245
Leech Lake Tribal C.	1,373	176	196	0	198	0	785	250
Chief Dull Knife C.	957	261	696	0	1,084	276	624	324
Southwestern Indian Polytechnic Institute	277	80	296	0	288	0	531	50
Lac Courte Oreilles Ojibwa Community C.	1,297	0	511	200	193	0	460	60
Sisseton Wahpeton C.	2,166	340	196	0	1,514	321	379	0
Little Big Horn C.	1,164	469	872	676	729	536	343	0
Bay Mills Community C.	290	93	495	200	203	0	320	0
Fond du Lac Tribal and Community C.	896	0	297	0	212	0	307	0
White Earth Tribal and Community C.	85	0	200	0	208	0	298	0
Little Priest Tribal C.	600	0	211	0	1,677	0	283	0
Tohono O'odham Community C.	15	15	396	200	198	0	278	0
NE Indian Community C.	197	0	211	0	464	72	273	0
Ilisagvik C.	0	0	6	6	193	0	271	0
Saginaw Chippewa Tribal C.	0	0	200	0	100	0	171	0

^a Includes American Recovery and Reinvestment Act of 2009 obligations.

NOTES: Because of rounding, detail may not add to totals. Only those agencies that had obligations in the variables represented by this table appear in the table. The list of tribal colleges and universities is from the White House Initiative on Tribal Colleges and Universities (see <http://www.ed.gov/edblogs/whiaiane/tribes-tcus/tribal-colleges-and-universities/>). Tribal colleges and universities are designated in section 2 of the Tribally Controlled College or University Assistance Act of 1978.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions.

- ship, traineeship, and training grant programs that are directed primarily toward the development and maintenance of the scientific workforce.
- *General support for S&E* includes funds used for scientific projects and support for activities within a speci-

fied discipline; explicit purpose is not specified.

- *Other S&E activities* include all academic S&E obligations that cannot be assigned elsewhere and activities in support of technical conferences, teacher institutes, and

programs aimed at increasing precollege and undergraduate students' scientific knowledge.

The full set of detailed statistical tables on the FY 2012 Federal S&E Support Survey will be available online at <http://nsf.gov/statistics/fedsupport/>.

TABLE 6. Federal research and development and R&D plant obligations to the 10 independent nonprofit institutions receiving the largest amounts, by agency: FY 2012
(Current dollars in thousands)

Institution	All federal obligations	HHS	DOD	NASA	NSF	DOE	Other agencies ^a
All nonprofit institutions	6,769,032	4,397,560	1,028,379	414,955	407,329	134,141	386,668
Top 10 nonprofit institutions	2,308,162	1,352,789	697,134	98,480	27,833	32,568	99,358
MA General Hospital	352,073	345,084	2,949	759	1,282	2,000	0
Brigham and Women's Hospital	333,284	330,035	362	397	2,491	0	0
MITRE Corp.	315,493	0	314,026	0	0	0	1,467
Battelle Memorial Institute	271,922	23,668	137,510	48	0	25,634	85,062
Fred Hutchinson Cancer Research Ctr.	225,882	225,004	0	0	878	0	0
Mayo Foundation	222,195	221,089	525	0	0	0	581
Henry M. Jackson Foundation for the Advancement of Military Medicine	161,497	25,175	136,100	0	222	0	0
SRI International	151,730	49,931	78,335	0	20,445	3,019	0
Southwest Research Institute	138,182	0	26,227	97,277	515	1,916	12,248
Beth Israel Deaconess Medical Ctr.	135,903	132,804	1,100	0	2,000	0	0
All other nonprofit institutions	4,460,871	3,044,771	331,246	316,475	379,497	101,574	287,310

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

^a Other includes data for the following agencies: the Departments of Commerce, Education, Homeland Security, Housing and Urban Development, Interior, Labor, and Transportation; the Agency for International Development; the Environmental Protection Agency; the Appalachian Regional Commission; the Nuclear Regulatory Commission; the Office of Justice Programs (part of Department of Justice); and the Social Security Administration.

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, FY 2012.

Individual tables may be available in advance of the full report. For more information, please contact the author.

Notes

1. Michael Yamaner, National Center for Science and Engineering Statistics, National Science Foundation, 4201 Wilson Boulevard, Suite 965, Arlington, VA 22230 (myamaner@nsf.gov; 703-292-7815).

2. *Minority-serving institutions* comprise historically black colleges and universities (HBCUs), high-Hispanic-enrollment (HHE) institutions, and tribal colleges and universities.

3. The Higher Education Act of 1965, as amended, defines an HBCU as “any

historically black college or university that was established prior to 1964, whose principal mission was, and is, the education of black Americans, and that is accredited by a nationally recognized accrediting agency or association determined by the Secretary (of Education) to be a reliable authority as to the quality of training offered or is, according to such an agency or association, making reasonable progress toward accreditation.”

4. A research doctorate is a doctoral degree that (1) requires the completion of an original intellectual contribution in the form of a dissertation or an equivalent culminating project (e.g., musical composition) and (2) is not primarily intended as a degree for

the practice of a profession. The most common research doctorate is the PhD.

5. Institutions are identified as having *high Hispanic enrollment* for this report based on fall 2012 enrollment. They are institutions whose full-time-equivalent fall enrollment of undergraduate students is at least 25% Hispanic in a given year. The fall enrollment data are self-reported by the institutions to the Integrated Postsecondary Education Data System survey conducted by the National Center for Education Statistics. The exact number and identification of HHE institutions can vary from year to year.

An HHE institution is not necessarily a *Hispanic-serving institution*

(HSI). HSIs are eligible institutions that have recently received grants from the Department of Education's HSI program, authorized by Title V of the Higher Education Act of 1965, as amended. In 2012, eligibility for the HSI program was defined as being open to nonprofit institutions with at least 25% Hispanic FTE undergraduate enrollment, and at least 50% of the

Hispanic enrollment had to be low income. The Third Higher Education Extension Act of 2006 removed the low-income criterion for defining eligibility for the HSI program.

University of New Mexico's Gallup, Los Alamos, and Taos campuses are not HHE institutions; data for these campuses are therefore excluded from the total.

6. The list of tribal colleges and universities is from the *White House Initiative on Tribal Colleges and Universities* (see <http://www.ed.gov/edblogs/whiaiane/tribes-tcus/tribal-colleges-and-universities/>). Tribal colleges and universities are designated in section 2 of the Tribally Controlled College or University Assistance Act of 1978.

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