



Centers for Disease  
Control and Prevention  
(CDC) Atlanta, GA 30333

Date: November 13, 2008

From: Associate Director for Minority Health,  
Director, Office of Minority Health and Health Disparities  
Centers for Disease Control and Prevention

Subject: Fiscal Year 2007 Annual Performance Report for the White House Initiative on  
Historically Black Colleges and Universities (HBCUs)

To: Garth N. Graham, M.D., M.P.H.

As requested, attached is the Centers for Disease Control and Prevention and the Agency for Toxic Substances and Disease Registry's (CDC/ATSDR) Performance Report for the White House Initiative on HBCUs for FYs 2007.

If you or your staff have questions or wish to discuss this report, please contact Dr. Stephanie Miles-Richardson, Associate Director for Policy, Office of Minority Health and Health Disparities, CDC at (404) 498-2320.

Walter, W. Williams, M.D., M.P.H.  
Captain, U.S.P.H.S.  
Associate Director for Minority Health  
Director, Office of Minority Health and Health Disparities

Attachments  
cc:  
Marcia Smalls

DEPARTMENT OF HEALTH AND HUMAN SERVICES

AGENCY ACTIONS

Performance Report  
White House Initiative On  
Historically Black Colleges and Universities  
Executive Order 13256

Fiscal Year 2007

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**Centers for Disease Control and Prevention/  
Agency for Toxic Substances and Disease Registry (CDC/ATSDR)  
FY 2007 Annual Performance Report  
White House Initiative on Historically Black Colleges and Universities  
(HBCUs)  
Executive Order 13256**

**Executive Summary**

**Introduction**

This report presents the Centers for Disease Control and Prevention/Agency for Toxic Substances and Disease Registry's (CDC\*) FY 2007 Annual Performance Report for the White House Initiatives on HBCUs (Executive Order 13256). CDC recognizes that educational status is an important predictor of morbidity and mortality and is committed to strengthening the capacity of HBCUs to provide excellence in education. As the sentinel agency for the health of people in the United States and throughout the world, CDC strives to protect people's health and safety, provide reliable health information, and improve health through strong partnerships. Partnerships with HBCUs presented in this report demonstrate CDC's efforts to increase the capacity of HBCUs to participate in HHS programs; and/or provide opportunities for HBCU faculty and students to gain experience working in public health and human services agencies through fellowships, internships, and other experiential programs during FY 2007.

**Goals and Measurable Objectives CDC Sought to Achieve**

HBCUs are significant CDC partners in addressing the health and quality of life for Americans. Activities implemented by CDC's coordinating centers, centers, institute and offices (CIOs) in support of the White House Initiative on HBCUs were guided by the four overarching Departmental goals:

1. Increase access to and the participation of minority-serving institutions of higher education and/or other minority organizations in HHS programs such as biomedical research and services;
2. Strengthen the capacity of minority serving institutions of higher education and/or minority organizations that address racial/ethnic minority populations to provide high quality education and other services;
3. Increase access to and the participation of racial and ethnic minority populations in HHS programs such as biomedical research and services (education-related activities and HHS workforce); and/or
4. Promote data collection on racial and ethnic minority populations, e.g., through minority-serving institutions of higher education and minority organizations.

Measurable objectives CDC sought to achieve include the following:

- ❖ Increase direct funding for minority-serving institutions of higher education that support health disparity prevention.
- ❖ Maintain funding for minority-serving institutions of higher learning to improve the coordination, communication, and application of health research
- ❖ Increase the number of minority-serving institutions of higher education that receive funding and/or support to address health disparities among specific racial and ethnic minority populations.
- ❖ Increase the number of minority students graduating from accredited undergraduate environmental health academic programs
- ❖ Improve state and local environmental health infrastructure by strengthening and diversifying accredited undergraduate environmental health academic programs.
- ❖ Increase the awareness and understanding of physicians to the principles of environmental toxicology and exposure as it relates to the health of disproportionately affected populations,
- ❖ Increase the number of HBCU students participating in CDC minority student training programs

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The following CIOs administered the programs and activities that contributed to advancing the mission of the HBCU initiative:

National Center on Birth Defects and Developmental Disabilities (NCBDDD)  
National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP)  
National Center for Environmental Health (NCEH)  
National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)  
National Center for Preparedness, Detection and Control of Infectious Diseases (NCPDCID)  
National Center for Injury Prevention and Control (NCIPC)  
National Institute for Occupational Safety and Health (NIOSH)  
Office of Minority Health and Health Disparities (OMHD)  
Office of Workforce and Career Development (OWCD)  
Agency for Toxic Substances and Disease Registry (ATSDR)

### Significant Activities, Programs and Projects

Highlights of the significant activities, programs and projects that contributed to achieving the core goals are presented below by CIO for each goal. Details of other significant programs are described in Table B-1.

Goal 1: Increase access to and participation of minority serving institutions of higher education and/or other minority organizations in HHS programs such as biomedical research and services. CDC reported \$6.1 million allocated towards accomplishing this goal.

ATSDR continued to support the Environmental Health and Toxicology Research Program (EHTRP) which addresses data gaps ATSDR identified for hazardous substances found at Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) waste sites and other sources in the environment. Research facilitated by the [Association of Minority Health Professions Schools \(AMHPS\)](#) also sustains a high scientific quality and contributes critical information about the types of effects people may be at risk for and the levels of exposures to contaminants that can cause these effects. Five HBCU are funded to conduct this research: Florida A&M University, Hampton University, Tuskegee University and Xavier University.

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NCCDPHP funded Morehouse School of Medicine to serve as a [Center of Excellence](#) in the elimination of health disparities. Morehouse will provide experience and expertise in addressing breast and cervical cancer among African Americans, and will focus its activities on health disparity reduction activities in three states: Georgia, North Carolina, and South Carolina. NCCDPHP also supported the Prevention Research Center at Morehouse School of Medicine where the institution will be evaluating a co-educational HIV/AIDS risk-reduction curriculum for urban African American men and women aged 18-44.

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NCIPC continued to support two cooperative agreements with Meharry Medical College. One award provided funding for the implementation and evaluation of one or more multi-component community based intervention to increase seat belt use among adolescent drivers and their passengers. This research could potentially increase seat belt use among adolescents nationwide. The second award provided funding to establish an Urban Partnership Academic Center for Excellence to actively foster an environment conducive to beneficial collaborations among health scientists, social scientists and a targeted high-risk community in Tennessee, with the common goal of reducing youth interpersonal violence injury and death.

NCHHSTP funded a project with Jackson State University, "Strengthening Interventions for HIV Prevention," which is designed to replicate, adapt, and diffuse culturally appropriate and science-based behavioral interventions targeted to racial/ethnic populations at high risk for HIV infection. The project will also increase the delivery of HIV counseling, testing and referral, partner counseling and referral, and HIV prevention interventions in non-traditional settings for people living with AIDS, their discordant partners and others at very high risk of HIV infection.

NCHHSTP funded a Human Immunodeficiency Virus (HIV) prevention project with the University of AR/Pine Bluff and the Jefferson Comprehensive Care system. This HIV project for community-based organizations (CBOs) includes targeted outreach and Health Education/Risk Reduction (HE/RR) for high-risk individuals; targeted outreach and Counseling, Testing, and Referral (CTR) services for high-risk individuals; and implementation of one or more of the following interventions: prevention for individuals living with HIV and their sex or injecting drug-using partners who are HIV negative or unaware of their HIV status; prevention for individuals at very high risk for HIV infection; and Partner Counseling and Referral Services (PCRS).

Goal 2: Strengthen the capacity of minority serving institutions of higher education and/or organizations that address racial/ethnic minority populations to provide high quality education and other services. CDC

reported \$1.5 million allocated to this goal.

NCEH continued to fund and support its highly successful cooperative agreement with the [Association of Environmental Health Academic Programs \(AEHAP\)](#) to promote diversifying the nation’s environmental public health workforce by targeting MSIs for the development of accredited and environmental health academic programs, and to promote recruitment and retention of minorities (faculty and students) into academic programs of environmental health. .

NCHHSTP funded several significant programs to accomplish this goal: Jackson State University capacity building assistance for HIV prevention; University of AR at Pine Bluff projects to assist community based organizations (CBO) and the “Healthy Relationships” skills based behavioral intervention for men and women living with AIDS; and the Consortium of African American Public Health Programs at HBCUs.

Goal 3: Increase access to and the participation of racial and ethnic minority populations in HHS programs such as biomedical research and services (education-related activities and HHS workforce). CDC reported \$2.5 million allocated to this goal.

National capacity of the medical community to respond to environmental exposures and emergencies was expanded with each physician that completed the ATSDR- supported Environmental Medicine Rotation Program (EMRP) for residents. The training provided them with the resources to assist them in addressing issues they may encounter in medical practice.

NIOSH continued to support opportunities to increase the number of minority persons practicing in the occupational safety and health field and the number of minority students pursuing advanced degrees and performing research in the occupational field. NIOSH provided internship opportunities to eight students at its various divisions in the Project IMHOTEP program and has seen its interns continue to pursue graduate degrees or obtain jobs in public health with a new opportunity to focus on occupational safety and health.

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NCPDCID continued to support the James A. Ferguson Emerging Infectious Diseases Fellowship (Ferguson Program), an eight-week professional development experience for minority students from HBCUs [who are in medical, dental, veterinary, or pharmacy school, or are pursuing graduate studies in microbiology, or public health.](#) The main objective of the Ferguson Program is to introduce fellows to public health and infectious disease careers and to career opportunities at CDC and/or other training opportunities at CDC in fellowship programs such as the ORISE.

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NCCDPHP funded a cooperative agreement with the DHPE to support a total of [37](#) student interns in 2007. Thirty three of the 37 participants were [students from HCBUs.](#) The internship program offers students a unique experience to receive firsthand experience in health promotion and health education. It has been designed to provide students with practical experiences in public health related to the core competencies of health education and to introduce the students to the essentials of public health.

CDC funded the Kennedy Krieger Institute (KKI) to support the Research Initiative for Student Enhancement (RISE) internship program. The RISE program is designed to provide research experience, education and training for HBCU undergraduate, graduate and medical students who are interested in pursuing research in the field of public health.

CDC supported the Public Health Sciences Institute (PHSI) at Morehouse College to implement training programs designed to increase the knowledge and skills of undergraduate students in the areas of epidemiology, biostatistics, and occupational safety and health; and prepare the students for graduate level study in public health professions. PHSI implements programs such as Project IMHOTEP, an 11-week summer internship, PHSI Research academic year internships for Atlanta University Center students, Graduate Fellows, Associates and Post-Doctoral Fellowships, and an annual public health awareness conference that focuses on heightening faculty and student awareness of public health issues.

CDC funded AMHPS to support training programs designed to expose and prepare graduate, undergraduate, high school and middle school students for careers in biomedical sciences. AMHPS supports the Ferguson Program for graduate students, the Public Health Summer Fellows (PHSF) program for undergraduate students, Starlab and the Annual Symposium on Career Opportunities in Biomedical Sciences for high school and undergraduate college

students.

Goal 4: Promote data collection of racial and ethnic minority populations, e.g., through minority serving institutions of higher education and minority organizations. CDC reported \$250K allocated to this goal.

NCBDDD funded Meharry Medical College and Morehouse School of Medicine to develop the Southeastern U.S. Educational Center for Prevention of Fetal Alcohol Syndrome. The purpose of the Educational Center is to enhance dissemination of the FAS curriculum among medical and allied health students and professionals in southeastern states: Alabama, Florida, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee. The specific objectives to meet this goal are to (1) develop, conduct and analyze population-based data of students and practitioners' knowledge, attitudes and beliefs about Fetal alcohol syndrome (FAS) (2) develop, implement, and evaluate educational curricula for students and practitioners based on evidence-based diagnostic guidelines; (3) disseminate curricula to appropriate audiences; and (4) seek to incorporate

#### **Total Funding for Awards to HBCUs**

During FY 2007, CDC awarded \$10.4 million to institutions qualifying under the HBCU Initiative. This amount was awarded to 10 HBCUs, third-party organization representing HBCUs, and major agency programs. Awards were made to support programs in the categories of research and development, program evaluation, training; fellowships, internships, traineeships, recruitment, IPA, administrative infrastructure, and minority-specific activities. The total funding represents 1.8 percent of the \$563.5 million in CDC awards to all institutions of higher education (IHEs), and 3.7 percent more than was awarded to HBCUs in FY 2006.

#### **Impact of Agency Implemented Programs and Activities**

The impact of CDC's HBCU partnerships has significant implications for education, communication, risk assessment, interactions with health care providers and possible future interventions. The HBCU partnerships supported capacity building assistance, disseminating scientifically sound and medically accurate information as well as providing state-of-the-art professional development and technical assistance services. The impact is also acknowledged by improved linkages among the academic, research and community service components of the HBCUs. The impact is demonstrated by efforts to increase diversity in the environmental health professions with four HBCUs accredited by the National Environmental Health Science and Protection Accreditation Council: Benedict College (2004); Mississippi Valley State University (undergraduate program, 1997; Graduate program, 2005); Spelman College (2005); and Texas Southern University (undergraduate, 2006). Similarly, from 2004-2007, the NIOSH-supported B.S. degree program in occupational safety at North Carolina A&T State University produced 36 graduates who have entered the occupational safety and health workforce or continued for advanced degrees. As a result of the ATSDR-supported EMRP, six minority residency-trained physicians are better prepared to recognize potential environmental exposures and health outcomes.

CDC partnerships with HBCUs to implement minority student training programs are having an impact on diversity of the public health workforce. In FY 2007, 40 students participated in the Public Health Sciences Institute (PHSI) training programs that include Project IMHOTEP, PHSI Research Interns, and Graduate Fellows and Associates. Several hundred students from across the region attended the annual PHSI Public Health Awareness Conference and were made aware of public health careers and issues facing the African American community. In FY 2007, 17 students participated in the James A. Ferguson Fellows which expanded the number of fellows and had an increase in Hispanic participation; 12 students experienced the PHSF program; 29 middle and high school students participated in Starlab, and approximately 700 students from across the country attended the Biomedical Symposium. In addition, fifteen students from Howard University, Morgan State University, Coppin State University, and Meharry Medical College, participated in the Kennedy Krieger Institute's RISE research training program for HBCU students. An evaluation of the James A. Ferguson Program indicates that of 107 students responding to the evaluation study (n=150), 15 percent of the respondents became employed full time at CDC. In addition, based on a summary of 294 participant responses available from tracking information as of January 2008, 51 percent of Project IMHOTEP interns are public health practitioners; 10 percent have received or are pursuing an MD, and of these, nine percent are working at CDC as a permanent employee, Epidemic Intelligence Service (EIS) Officer, or contractor.

Finally, through the Southeastern U.S. Educational Center for Prevention of Fetal Alcohol Syndrome (FAS), Meharry Medical College and its colleagues at Tennessee State University and the National Center for Primary Care at Morehouse School of Medicine, have worked with more than 150 clinics and College Deans throughout the

southeast educating many minority students and professionals on the appropriate diagnosis and treatment of FAS. The program has enhanced dissemination of educational materials by working with Deans of Colleges of Allied Health throughout the region, and disseminated the FAS curriculum among medical and allied health professionals in Alabama, Florida, Kentucky, Mississippi, North Carolina, South Carolina and Tennessee. While primarily targeting African Americans, this initiative will develop, conduct and analyze population-based data of students and practitioners' knowledge, attitudes and beliefs about FAS

**Fiscal Year 2007**  
**TABLE B-1 SUMMARY OF CIO AWARDS BY CATEGORY**

Agency Name: Centers for Disease Control and Prevention

**Departmental Goal: Increase Access to and participation of HBCUs in HHS Programs (biomedical research and services).**

**(State the Departmental goal CIO sought to achieve)**

Name of HBCU	* Funding Mechanism	**Category	Summary of Activities
Meharry Medical College	3	PE	CDC provided funding for the implementation and evaluation of one or more multi-component community based intervention to increase seat belt use among adolescent drivers and their passengers. This is a 5 year cooperative agreement.
Meharry Medical College	3	R&D	CDC funded Meharry to establish an Urban Partnership Academic Center for Excellence to actively foster an environment conducive to beneficial collaborations among health scientists, social scientists and a targeted high-risk community in Tennessee, with the common goal of reducing youth interpersonal violence injury and death. This is a 5 year cooperative agreement.
Association of Minority Health Professions Schools (AMHPS)	3	TPA	ATSDR supported AMHPS to develop activities to improve the interaction between public health academicians and public health practitioners with AMHPS and its member institutions, and to work toward enhancing the overall education and training of public health workers and future researchers.
Florida A&M University	3	R&D	ATSDR provided graduate training in research development regarding diseases and health problems, with the focus on human health effects associated with; 1) environmental pollution, 2) environmental/occupational health concerns, and 3) health promotion.
Florida A&M University (FAMU)	3	TA	ATSDR supported FAMU to serve as program director acting as technical/scientific liaison between the AMHPS member institutions and the ATSDR scientific/technical staff.
Hampton University	3	R&D	ATSDR funded Hampton University to support a study that seeks to outline the effects of long-term exposure of Chlorpyrifos and its active metabolites Chlorpyrifos-oxon and 3,5,6-trichloro-2pyridinol (TCP) on the development and function of oligodendrocytes and astrocytes
Tuskegee University	3	R&D	ATSDR funded Tuskegee University to study the effects of the toxin mixture of Arsenic and Dieldrin on reproduction in animals in order to assess human health risk of exposure to these toxicants.



Xavier University	3	R&D	ATSDR funded Xavier University to conduct research on the quantitative determination of polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), and heavy metals in the urban environment of New Orleans by analyzing a variety of urban environmental samples including soils, sediments, and surface drinking water. Additionally, an extension of the study done for the first 10-year EHSTRP project sought to evaluate the amounts and distribution of arsenic, selenium, mercury, and molybdenum in urban and rural New Orleans.	
Tuskegee University	3	MAP	CDC supported the National Center for Bioethics in Research and Health Care. Project to assist disadvantaged communities and vulnerable populations better understand bioethics issues involving their health and to act so as to eliminate inequities, such as health disparities; to correct injustices in public health measures and public policy; and to ameliorate other health related bioethics concerns. This is the nation's first bioethics center devoted to engaging the sciences, humanities, law and religious faiths in the exploration of the core moral issues which underlie research and medical treatment of African Americans and other underserved people. Additional funding supported the development of a virtual museum on the Health Service Study of Untreated Syphilis in the Negro Male (1932-74); and provided internet access to selected documents of interest to researchers and archival and historical education regarding the legacy and impact of the study.	
Howard University	3	TA	CDC funded a technical assistance project in support of the Global AIDS Program (GAP) to support CDC-GAP in strengthening the laboratory capacity for providing quality HIV testing services in Malawi. This activity was part of CDC's activities for the President's Emergency Plan for AIDS Relief, and was primarily targeted to improving the infrastructure of laboratories at central and district level hospitals including refurbishment; purchasing laboratory equipment, consumables, and reagent in support of HIV testing and training; updating skills of laboratory technicians; and increasing human resource capacity of laboratory personnel.	
Morehouse School of Medicine	3	R&D	CDC funded an award to support prevention research activities designed to evaluate a co-educational HIV/AIDS risk-reduction curriculum for urban African American men and women aged 18-44. (Prevention Research Centers)	
Morehouse School of Medicine	3	MAP	CDC funded health disparity reduction activities in three states including Georgia, North Carolina, and South Carolina. Morehouse served as a center of excellence in the elimination of disparities by providing experience and expertise in addressing breast and cervical cancer among African Americans.	
Total				

**Fiscal Year 2007**

**TABLE B-1 SUMMARY OF CIO AWARDS BY CATEGORY**

Agency Name: Centers for Disease Control and Prevention

**Departmental Goal: Strengthen the capacity of minority serving institutions of higher education and/or minority organizations that address minority populations to provide high quality education and/or other services.**

**(State the Departmental goal CIO sought to achieve)**

Name of HBCU	* Funding Mechanism	**Category	Summary of Activities	
Jackson State University	3	TA	CDC funded Jackson State to provide capacity building assistance (CBA) for strengthening interventions for HIV prevention: Improve the capacity of community-based organizations and health departments to implement, improve, and evaluate HIV prevention interventions for high-risk racial/ethnic minority individuals of unknown sero-status, including pregnant women, and people of color who are living with HIV/AIDS and their partners. CBA is designed to assist in implementing and sustaining science-based and culturally proficient HIV prevention behavioral interventions and HIV prevention strategies. It includes technology transfer, the process by which innovations are diffused among HIV prevention providers to improve how intervention effectiveness and scientific research is translated into programs and practice; and technical assistance, the provision and/or facilitation of culturally relevant and expert programmatic, scientific, and technical advice (mentoring/coaching) and support.	
Jackson State University	3	TA	CDC funded Jackson State to provide CBA to organizations for HIV prevention activities which serve youth in non-school settings using a number of evidence-based, scientifically tested behavioral interventions that have been identified specifically for high-risk youth, including Street Smart (for homeless and runaway teens); Teens Linked to Care (TLC), for HIV-positive persons ages 13-24; and Focus on Kids, for out-of-school African-American teens in poverty settings.	
University of Arkansas, Pine Bluff (Jefferson Comprehensive Care System)	3	MAP	CDC funded this project to assist community-based organizations (CBOs) in their efforts to decrease HIV transmission by conducting HIV prevention services for high-risk persons. It also supported activities to adapt and tailor interventions for HIV prevention for high-risk individuals including persons living with HIV and their sex or injecting drug-using partners who are HIV negative or unaware of their HIV status; conducted targeted outreach, counseling, testing and referrals and providing health education/risk reduction (HERR) for high-risk individuals. In addition, the grantee provided assistance for collecting monitoring and evaluation data and report required data to CDC's program evaluation and monitoring system (PEMS). Activities include provision of comprehensive services for persons living with HIV, including medical care and STD screening; collaborating and participating in the HIV prevention community planning process with local health departments; and identifying and addressing the program's capacity-building needs and participating in mandatory CDC-sponsored training.	

University of Arkansas, Pine Bluff (Jefferson Comprehensive Care System)	3	PE	CDC funded this project to implement “Healthy Relationships,” a small-group, skills-based behavioral intervention for men and women living with HIV. The intervention focused on skills building, self-efficacy, and positive expectations about new behaviors. The purpose of this outcome monitoring project was to assess and improve the performance of CDC directly funded CBOs delivering the intervention to HIV-positive individuals by monitoring changes in clients’ self-reported HIV transmission risk behaviors and to quantify clients’ use of health services at two time intervals after they receive Healthy Relationships.	
AMHPS	3	TPA	CDC supported the Consortium of African American Public Health Programs (CAAPHP) which has grown from five to seven members to include: Morgan State University; Florida A&M University; Morehouse School of Medicine, Meharry Medical College; Jackson State University; Fort Valley State University; and Charles Drew University. This level of growth is a testament to the need for these programs and the diverse work force that they produce. Consequently, there is a continuing need for a collaborative forum or partnership where these public health programs will share experiences, work alongside established faculty and program developers to obtain the training, exposure, experience and competencies necessary to run successful public health programs and activities. CAAPHP is envisioned to be the leverage for competing for funding for teaching, research, training and community service opportunities that public health encompasses.	
Morehouse College	MOU	TA	CDC supported a Prevention Specialist at Morehouse College to develop and implement a pilot project to evaluate a small media campaign designed to increase awareness and knowledge of breast and cervical cancer among African American women and encourage preventive behavior such as cervical and breast screening.	
Total				

## Fiscal Year 2007

### TABLE B-1 SUMMARY OF CIO AWARDS BY CATEGORY

Agency Name: Centers for Disease Control and Prevention

**Departmental Goal: Increase access to and the participation in HHS Programs (education related activities and HHS workforce).**

**(State the Departmental goal CIO sought to achieve)**

Name of HBCU	* Funding Mechanism	**Category	Summary of Activities
AMHPS	CA	TPA	CDC collaborated with AMHPS to expose 17 minority students from HBCUs pursuing a medical, veterinary, pharmacy or other public health graduate degree perform biomedical and epidemiological research as participants of the James A. Ferguson Emerging Infectious Diseases Fellowship Program.
North Carolina A&T State University	2	Trng	CDC conducted an undergraduate degree program in Occupational Safety and Health to increase the number of minorities practicing in the occupational safety and health field.
Morehouse College		TPA	CDC sponsored an exhibit booth at the 16 <sup>th</sup> Annual Public Health Awareness Conference.
AMHPS	3	TPA	CDC supported training programs designed to expose graduate, undergraduate, high school and middle school students to careers in biomedical sciences. With this funding, AMHPS supported the James A. Ferguson Fellowship Emerging Infectious Diseases Fellowship program for graduate students at HBCU health professions schools, the Public Health Summer Fellows program for undergraduate students, the Starlab program for middle and high school students, the Annual Symposium on Career Opportunities in Biomedical Sciences and Health Professions for high school and undergraduate college students, the Masters in Public Health Program at Morehouse School of Medicine, and the Regional Research Center for Minority Health.
Morehouse College	3	Fellows	CDC supported the Public Health Sciences Institute (PHSI) to implement programs designed to increase the knowledge and skills of undergraduate students in the areas of epidemiology, biostatistics, and occupational safety and health; and prepare the students for graduate level study in public health professions. PHSI implements programs such as Project IMHOTEP summer internship, PHSI Research academic year internships, Graduate Fellows, Associates and Post-Doctoral Fellowships, public health training programs, and an annual public health awareness conference.
Association of Kennedy Krieger Health Academic Programs (AEHAP)	3	Fellows MAP	CDC funded the AEHAP, a consortium of programs organized for the purpose of promoting and enhancing the education of students in the art and science of environmental health practice. Activities included providing the internship program in collaboration with Johns Hopkins Bloomberg School of Public Health and the Johns Hopkins School of Medicine. The RISE program is designed to provide research experience, education, and training for HBCU graduate and medical students who are interested in pursuing research in the field of public health. Several undergraduate positions are also offered.
			standards for environmental health education; and promoting education through internships. Benedict College was HBCU participant in this program

AEHAP	3	MSA/IHE	CDC funded and provided technical support to the 2 <sup>nd</sup> National Conference for Minority Serving Institutions titled <i>Building the Diverse Environmental Health Workforce of the 21<sup>st</sup> Century</i> .	
Directors of Health Promotion and Education	3	Fellows	CDC funded this internship program to strengthen the academic and professional development of minority students by creating partnerships between minority serving institutions and the public health community to create a highly qualified, diverse workforce; recruit and retain minorities in public health education; and to provide public health leadership, services and better health outcomes for all communities. Thirty-three of 37 participants are HBCU students.	
Jackson State University	In-Kind	Fellows	CDC supported a Public Health Prevention Specialist (PHPS) to conduct recruitment activities at JSU to interest students in the program which focuses on public health and is designed to train and prepare tomorrow's public health program managers. PHPS focuses on program management and provides eligible candidates experience in program planning, implementation, and evaluation through specialized hands-on-training and mentorship at CDC and public health agencies (state and local health departments, community-based organizations, and public health institutes).	
Total				

**Fiscal Year 2007**

**TABLE B-1 SUMMARY OF CIO AWARDS BY CATEGORY**

Agency Name: Centers for Disease Control and Prevention

**Departmental Goal: Promote data collection of racial and ethnic minority populations, e.g., through minority-serving institutions of higher education and minority organizations.**

(State the Departmental goal CIO sought to achieve)

Name of HBCU	* Funding Mechanism	**Category	Summary of Activities	
Meharry Medical College	CA	Trng	CDC funded Meharry to develop the Southeastern U.S. Educational Center for Prevention of Fetal Alcohol Syndrome (FAS) in partnership with Morehouse School of Medicine (MSM) a Tennessee State University (TSU). Meharry collaborated with the National Center for Primary Care at MSM and its network of more than 150 clinics throughout the southeast, enhanced dissemination of educational materials by working with Deans of Colleges of Allied Health throughout the region, and disseminated the FAS curriculum among medical and allied health professionals in Alabama, Florida, Kentucky, Mississippi, North Carolina, South Carolina and Tennessee. While primarily targeting African Americans, this initiative will develop, conduct and analyze population-based data of students and practitioners' knowledge, attitudes and beliefs about FAS	
Total				



**TABLE B-2 SUMMARY OF AWARDS BY CATEGORY TO HBCUs - FY 2007**

1. Centers for Disease Control and Prevention
- AGENCY
2. Walter W. Williams, M.D., M.P.H.
- NAME/SIGNATURE OF REPRESENTATIVE
3. **TOTAL UNIVERSE OF FUNDS FOR INSTITUTIONS OF HIGHER EDUCATION (IHEs)**  
**\$ \$563,473,523**
- TITLE

**DISCRETIONARY AWARDS (\$ dollars in thousands)**

CATEGORY	FY 2007		
	A. Awards to IHEs	B. Awards to HBCUs	C. Funds to HBCU % of Projected Fu IHEs
1. Research & Development	\$421,886,229	\$2,300,004	0.5
2. Program Evaluation	11,667,201	390,740	3.3
3. Training	27,262,791	278,166	1.0
4. Technical Assistance	71,217,986	1,400,971	2.0
5. Facilities & Equipment			
6. Student Financial Assistance, Scholarships, and Other AID			
7. Fellowships, Internships, Traineeships, Recruitment, IPA	1,726,856	808,280	46.8
8. Direct Institutional Subsidies	12,129,506	----	----
9. Administrative Infrastructure			
10. Major Agency Program	11,726,458	3,540,203	31.2
11. Minority-Specific Activities [with majority institutions of higher education]	4,248,467	50,000	1.2
12. Third-Party Awards	1,608,029	1,608,029	100.0



<b>TOTALS</b>	\$563,473,523	\$10,376,393	1.8
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**AGENCY  
Annual P**

**EXECUTI**

STATE/INSTITUTION	R&D	PE	TRAINING	TA	F&E
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**ALABAMA**

ALABAMA A&M					
ALABAMA STATE					
BISHOP STATE COMM.					
CONCORDIA COLLEGE					
FREDD STATE TECH					
GADSDEN STATE					
LAWSON STATE					
MILES COLLEGE					
OAKWOOD COLLEGE					
SELMA UNIVERSITY					
J.F. DRAKE TECH					
STILLMAN COLLEGE					
TALLADEGA COLLEGE					
TRENHOLM STATE TECH					
TUSKEGEE UNIVERSITY	\$133,035				

**ARKANSAS**

ARKANSAS BAPTIST					
PHILANDER SMITH					
U. OF ARKANSAS @ PB		\$117,858			

**DELAWARE**

<b>DELAWARE STATE</b>							
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**DISTRICT OF COLUMBIA**

<b>HOWARD UNIVERSITY UNIV. OF D. C.</b>				215,000			
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**FEDERAL AGENCY AWARDS TO INSTITUTIONS (cont'd)**

<b>STATE/INSTITUTION</b>	<b>R&amp;D</b>	<b>PE</b>	<b>TRAINING</b>	<b>TA</b>	<b>F&amp;E</b>		
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**FLORIDA**

<b>BETHUNE COOKMAN</b>							
<b>EDWARD WATERS</b>							
<b>FLORIDA A&amp;M</b>	201,176			70,301			
<b>FLORIDA MEMORIAL</b>							

**GEORGIA**

<b>ALBANY STATE</b>							
<b>CLARK ATLANTA U.</b>							
<b>FORT VALLEY STATE</b>							
<b>INTERDENOMINATIONAL THEOLOGICAL CENTER</b>							
<b>MOREHOUSE COLLEGE</b>							
<b>MOREHOUSE MEDICAL</b>	750,000						
<b>PAINE COLLEGE</b>							
<b>SAVANNAH STATE</b>							
<b>SPELMAN COLLEGE</b>							

**KENTUCKY**

<b>KENTUCKY STATE</b>							
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**LOUISIANA**

<b>DILLARD UNIVERSITY</b>							
<b>GRAMBLING STATE</b>							
<b>SOUTHERN U. &amp; A&amp;M</b>							
<b>SOUTHERN/NEW ORLEANS</b>							
<b>SOUTHERN/SHREVEPORT</b>							
<b>XAVIER UNIVERSITY</b>	252,784						

**MARYLAND**

<b>BOWIE STATE</b>							
<b>COPPIN STATE</b>							
<b>MORGAN STATE</b>							
<b>U. OF MARYLAND ES</b>							

**FEDERAL AGENCY AWARDS TO INSTITUTIONS (cont'd)**

<b>STATE/INSTITUTION</b>	<b>R&amp;D</b>	<b>PE</b>	<b>TRAINING</b>	<b>TA</b>	<b>F&amp;E</b>
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**MICHIGAN**

<b>LEWIS COLLEGE OF BUS.</b>					
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**MISSISSIPPI**

<b>ALCORN STATE</b>					
<b>COAHOMA JR. COLLEGE</b>					
<b>HINDS COMM. COLLEGE</b>					
<b>JACKSON STATE</b>				1,115,670	
<b>MISSISSIPPI VALLEY</b>					

<b>RUST COLLEGE</b>							
<b>TOUGALOO COLLEGE</b>							

**MISSOURI**

<b>HARRIS-STOWE STATE</b>							
<b>LINCOLN UNIVERSITY</b>							

**NORTH CAROLINA**

<b>BENNETT COLLEGE</b>							
<b>ELIZABETH CITY STATE</b>							
<b>FAYETTEVILLE STATE</b>							
<b>JOHNSON C. SMITH</b>							
<b>LIVINGSTONE COLLEGE</b>							
<b>N. C. A&amp;T STATE</b>			28,166				
<b>N. C. CENTRAL</b>							
<b>ST. AUGUSTINE</b>							
<b>SHAW UNIVERSITY</b>							
<b>WINSTON-SALEM STATE</b>							

**OHIO**

<b>CENTRAL STATE</b>							
<b>WILBERFORCE UNIV.</b>							

**OKLAHOMA**

<b>LANGSTON UNIV.</b>							
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**FEDERAL AGENCY AWARDS TO INSTITUTIONS (cont'd)**

<b>STATE/INSTITUTION</b>	<b>R&amp;D</b>	<b>PE</b>	<b>TRAINING</b>	<b>TA</b>	<b>F&amp;E</b>
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**PENNSYLVANIA**

<b>CHEYNEY UNIV.</b>					
<b>LINCOLN UNIV.</b>					

**SOUTH CAROLINA**

<b>ALLEN UNIVERSITY</b>					
<b>BENEDICT COLLEGE</b>					
<b>CLAFLIN COLLEGE</b>					
<b>CLINTON JR. COLLEGE</b>					
<b>DENMARK TECH.</b>					
<b>MORRIS COLLEGE</b>					
<b>S. C. STATE UNIV.</b>					
<b>VOORHEES COLLEGE</b>					

**TENNESSEE**

<b>FISK UNIV.</b>					
<b>LANE COLLEGE</b>					
<b>LEMOYNE-OWEN</b>					
<b>MEHARRY MEDICAL</b>	832,297	272,882	250,000		
<b>TENNESSEE STATE</b>					

**TEXAS**

<b>HUSTON-TILLOTSON</b>					
<b>JARVIS CHRISTIAN</b>					
<b>PAUL QUINN COLLEGE</b>					
<b>PRAIRIE VIEW A&amp;M</b>					
<b>SAINT PHILLIP'S</b>					
<b>SOUTHWESTERN CHRIST.</b>					
<b>TEXAS COLLEGE</b>					
<b>TEXAS SOUTHERN</b>					

<b>WILEY COLLEGE</b>							
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**FEDERAL AGENCY AWARDS TO INSTITUTIONS (cont'd)**

<b>STATE/INSTITUTION</b>	<b>R&amp;D</b>	<b>PE</b>	<b>TRAINING</b>	<b>TA</b>	<b>F&amp;E</b>		
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**VIRGINIA**

<b>HAMPTON UNIV.</b>	130,712						
<b>NORFOLK STATE</b>							
<b>SAINT PAUL'S</b>							
<b>VIRGINIA STATE</b>							
<b>VIRGINIA UNION</b>							
<b>VIRGINIA UNIVERSITY OF LYNCHBURG</b>							

**WEST VIRGINIA**

<b>BLUEFIELD STATE</b>							
<b>W. VIRGINIA STATE</b>							

**U.S. VIRGIN ISLANDS**

<b>UNIV. OF THE V. I.</b>							
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**GRAND TOTAL- HBCU**                      2,300,004                      390,740                      278,166                      1,400,971

**AMHPS  
KKI  
DHPE  
AEHAP**

**GRAND TOTAL -ALL**                      2,300,004                      390,740                      278,166                      1,400,971

**CATEGORIES:**

<b>R&amp;D</b>	<b>RESEARCH AND DEVELOPMENT</b>
<b>PE</b>	<b>PROGRAM</b>
<b>TRAINING</b>	<b>EVALUATION</b>
<b>TECHNICAL ASSISTANT</b>	<b>TRAINING</b>
<b>F&amp;E</b>	<b>TA</b>
<b>FELLOWS</b>	<b>FACILITIES AND EQUIPMENT</b>
<b>SFA</b>	<b>FELLOWSHIP, INTERNSHIPS, TRAINEESHIPS, RECRUITMENT,</b>
<b>DIS</b>	<b>IPA</b>
<b>TPA</b>	<b>STUDENT FINANCIAL ASSISTANCE, SCHOLARSHIPS, AND OTHI</b>
<b>MPA</b>	<b>DIRECT INSTITUTIONAL SUBSIDIES</b>
<b>AI</b>	<b>THIRD PARTY AWARDS</b>
<b>OTHER</b>	<b>MAJOR AGENCY PROGRAM</b>
	<b>ADMINISTRATIVE INFRASTRUCTURE</b>
	<b>MINORITY-SPECIFIC ACTIVITIES</b>