

**Manhattanville in West Harlem Implementation Plan Report  
October 15, 2015 Submission**

**Declaration Reference and Key Data**

Obligation Section Number: **5.07(c)(iv)**

Obligation Title: **Dental Health Screenings for Senior Citizens**

Obligation Page Number: **53**

Obligation Trigger: **Acquisition by ESD or CU of all Initial Stage 1 Condemnation Parcel(s)**

Obligation Start Date: **March 12, 2012**

Obligation End Date: **March 12, 2037 (25 Years from Commencement)**

Obligation Status: **In Compliance**

**Obligation: Innovation/Changed Conditions**

In accordance with 5.08 of the Declaration of Covenants and Restrictions, Obligation 5.07(c)(iv) is modified to more accurately reflect the obligation services. In general, the scope of services to be provided has not been changed.

*Dental Health Screenings for Senior Citizens* Commencing with the acquisition by ESDC or CU of all Initial Stage 1 Condemnation Parcels, and continuing for a 25-year period from commencement, dental health screenings will be offered annually to senior citizen NYCHA residents in Manhattanville Houses and General Grant Houses.

**Evidence of Compliance**

1. Annual report

Columbia University's Implementation Plan and all supporting documentation are made available on the Community Services Webpage at <http://manhattanville.columbia.edu/community-services>. For more information about communications and outreach efforts regarding the obligations, please refer to the Annual Community Outreach and Communications Report, which is also available on the Community Services Webpage.

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**EOC Checklist for Obligation 5.07(c)(iv):**

Please check to verify EOC items submitted for review.

1. Annual report

**Monitor's Notes / Comments:**

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**Status:**

Please check to indicate the status of Obligation 5.07(c)(iv):

In Compliance

In Progress

Not In Compliance

Not Triggered

## Annual Report: Dental Health Screenings for Senior Citizens

State Submission Annual Reporting Period: **October 2014 - September 2015**

- Notifications Sent Beginning: **Various**
- Number of Patients Served: 33

Date of Service	Site Name	Site Address	Total Patients Screened	Dental Screenings	Dental Referrals	High Blood Pressure Screenings	High Blood Pressure Referrals	Diabetes HBA1C Screenings	Diabetes HBA1C Referrals
April 24, 2015	Manhattanville Houses Senior Center	530 West 133 <sup>rd</sup> Street New York, NY 10027	8	6	5	7	4	4	3
July 21, 2015	Grant Houses Senior Center	1301 Amsterdam Avenue New York, NY 10027	25	23	14	25	2	N/A	N/A
<b>Total</b>			<b>33</b>	<b>29</b>	<b>19</b>	<b>32</b>	<b>6</b>	<b>4</b>	<b>3</b>

In accordance with our commitment, Columbia University offers dental health screenings to seniors living in Grant Houses and Manhattanville Houses. As of 2010, high blood pressure and diabetes screenings are now offered as part of the services provided.

Site visits are coordinated in conjunction with the Senior Center and the Dental Services professionals.

At each event Dr. [REDACTED] does a PowerPoint presentation on “Oral Health in Later Life”. The subject matters covered include oral hygiene instructions, the proper care of dentures, causes and implications of having a dry mouth, causes and implications of having high blood pressure, and symptoms and implications of diabetes. Ms. [REDACTED] is present to translate the presentation in Spanish.

### Additional Supporting Documentation

- Copies of public notifications and/or announcements of services

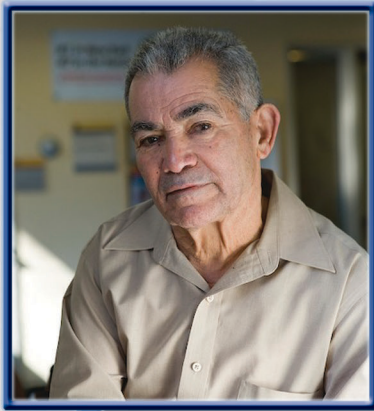
# ElderSmile™

Geriatric Dental Care Services

Educational Programs

Research

Public Policy Advocacy



**COLUMBIA UNIVERSITY**

*College of Dental Medicine*





About ElderSmile™

There is a crisis in oral healthcare emerging in this country: a large segment of the elderly population has no access to the dental care they need. Unfortunately, although oral health is even more important for the elderly because they are especially susceptible to dental disease, they often face financial, physical and emotional barriers that have made them one of the most underserved populations in regard to dental care.

*Nearly 1/3 of all senior adults who still have their natural teeth have untreated tooth decay and 56 percent of those also have advanced periodontal disease.*

In response to this critical situation, the Columbia University College of Dental Medicine has launched the ElderSmile™ program. ElderSmile is being developed to address the need for a comprehensive approach to the oral health care needs of older adults and it is intended to serve as a prototype for other dental schools and healthcare centers. The ElderSmile program seeks not only to provide a full range of dental services to senior citizens in the communities surrounding the Columbia University Medical Center, but also to develop specialized educational programs focused on geriatric oral healthcare and to pursue research and policy initiatives that enlighten and address the situation.

VISION:

Every senior citizen should have access to the dental care they need and want, provided by dental professionals who have received appropriate training and possess the requisite skills.

MISSION:

The ElderSmile program will mobilize the resources of the Columbia University College of Dental Medicine with other healthcare providers and community organizations to provide dental services to the senior population in Northern Manhattan and its environs. The program will develop a replicable educational and service structure to assure that more dental professionals have the expertise and opportunity to provide the necessary care to this population. We will also further geriatric dentistry by providing insight into geriatric oral health, including the relationship between oral and systemic health, and by advancing meaningful policy initiatives on the local, regional and national levels.

## Why the Program Is So Important

While America's elderly are retaining their own teeth in record numbers, a large number of those over the age of 65 receive no dental care. This exposes them to serious dental, medical and psychosocial problems. Seniors are not only at an increased risk for gum disease and dental decay, they are also faced with consequences such as chronic pain, loss of ability to chew food, poor nutrition, and the social stigma of missing and unsightly teeth. When oral infections arise and go untreated, seniors face a heightened risk of cardiovascular, cerebrovascular, diabetes mellitus and respiratory disease. The incidence of oral cancer in the senior population is greater than for any other age group and the lack of proper screening and early diagnosis has deadly consequences.

A number of factors contribute to why the elderly are so underserved in dental care. The barriers that exist include physical disabilities, lack of transportation, ignorance as to the role of oral health in general health, and even fear. The fact that Medicare and (in the vast majority of states) Medicaid programs do not cover dental services leaves many seniors having to fund their own care—an expense many of them cannot afford. These factors make a compelling argument for coming to the aid of those who, through no fault of their own, have no access to dental care.



Unfortunately, while the dental profession has made the lack of access to care one of its highest priorities, few of the planned solutions address the senior population. It is time for the fast-growing elderly population to be recognized as a prime focus in the dental profession's mission to assure every person's right to oral health services. It is with this in mind that the Columbia University College of Dental Medicine has committed itself to the development and success of the ElderSmile program.



### IN THE BEGINNING....1917



*The Dental School of Columbia University admits its first students in 1917*



*Five years after merging with a local dental school, in 1928, the renamed Columbia University School of Dental and Oral Surgery (SDOS) moves to Northern Manhattan*



*Columbia's SDOS receives a \$105,000 grant in 1930 (over 1.2 million in today's dollars) to study the cause and prevention of dental caries*

*A fellowship program to encourage graduate dentists to pursue a PhD in basic sciences is established between 1946 and 1948, resulting in successful programs in anatomy, microbiology, pharmacology and physiology*

Our Vision is based on  
**EXPERIENCE**



*Columbia has a longstanding tradition of providing dental and health care to the residents of Northern Manhattan, and of championing efforts to address issues affecting access for the broader population.*

Since its establishment, the dental school of Columbia has been a leader in advancing the science and practice of dentistry through groundbreaking research, progressive education and steady advocacy for improving access to care. Columbia has led the way in research since the early 1930s, with studies into the cause and prevention of dental decay and later with a PhD Basic Science Fellowship Program for dentists. In 1983, Columbia introduced geriatric education in the pre-doctoral curriculum.

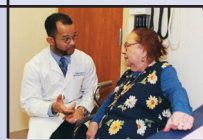
Columbia has championed many initiatives that have elevated oral health issues to national prominence. The institution contributed to the U.S. Surgeon General's Report on Oral Health, the first ever report on dental issues, and serves today as the national program office for the Robert Wood Johnson Foundation's "Pipeline, Profession and Practice" program, which supports dental schools in establishing community-based clinical education programs and the recruitment of minority and low-income students.

The Columbia University College of Dental Medicine runs the DentCare program, which provides dental services to another underserved population: at-risk children in the Washington Heights and Central Harlem communities of New York City. ElderSmile's care component is modeled on the DentCare service program, which has already served tens of thousands of children via a combination of outpatient facilities

and community outreach programs. DentCare's outstanding working relationships with community healthcare providers, civic organizations and influential policymakers are the solid foundation upon which Columbia is forging new strategic partnerships on behalf of the elderly population. Due to a lack of similar initiatives, the ElderSmile program also plans to build strong education, research and policy initiatives.



*The school begins offering the first integrated course in oral biology, "Biological Principles of Dentistry," in the early 1950s*



*In 1983, as one of the first to focus on elderly patients, the school receives a grant for a Geriatric Dental Education Program from the NIH's National Institute on Aging and the National Institute for Dental Research*



*DentCare is created in 1996 to provide dental services to at-risk children in Washington Heights and Central Harlem. By 2006, the program records over 50,000 patient care visits per year*



*In 2004, Columbia announces a comprehensive program for the provision of oral healthcare services for older adults, now known as ElderSmile*

2004



## Care

**A** natural extension of the school's longstanding tradition of providing dental care to the underserved, the ElderSmile program will deliver a broad range of dental services to the elderly population throughout Northern Manhattan and the surrounding neighborhoods. ElderSmile services include preventative oral health education, dental screening, routine checkups and restorative dental procedures. The program emphasizes early intervention as a critical factor in reducing the incidence of dental and medical diseases and improving the overall quality of life among seniors.

Of paramount importance is the ability to offer exceptional care that respects and addresses the special physical, emotional, medical and oral health needs of those over age 65. The program's treatment protocols are designed to be sensitive to diverse cultural backgrounds, values and belief systems. ElderSmile's expanding network of compassionate dental service providers incorporates:

- Outreach programs serving senior centers and nursing care facilities
- Prevention sites providing oral health education and screening, linked to community-based practices offering a full suite of dental services
- An interdisciplinary approach at strategically located treatment sites providing comprehensive healthcare to older patients

## Education

**W**ith a shortage of dentists specifically trained to care for the oral health of the growing number of older adults in this country, one of the school's fundamental goals is to equip dental practitioners with the knowledge and skills they need to give the older patient the best care possible. ElderSmile educational programs provide a rich learning experience that incorporates coursework and seminars on gerontology and geriatric dentistry, as well as direct interaction with patients at ElderSmile screening and treatment locations. As part of their educational experience, dental residents and students are also encouraged to participate in research projects related to geriatric oral health science and issues.

- Every student at the dental school takes courses covering geriatric dentistry; the goal is to offer expanded coursework and a formal postdoctoral training program in geriatric dentistry
- Students can pursue geriatric dentistry as an area of concentration
- Students and residents gain valuable experience treating older patients by working at ElderSmile outreach programs and facilities that take an interdisciplinary approach to health and dental care
- Columbia offers a popular continuing education program for practicing dentists and dental hygienists





## Research

The history of the College of Dental Medicine is rich with significant contributions to the evolution of modern dental research: both the American Association for Dental Research and the *Journal of Dental Research* were founded here. Through ElderSmile, Columbia renews its commitment to pursuing research that sheds light on the oral healthcare needs of the elderly and contributes to the development of technologies and treatments for preventing oral disease and improving the oral health of seniors. Columbia is pursuing a number of ongoing geriatric dentistry research projects including the exploration of the relationship between systemic and oral health as they relate to diseases commonly suffered by seniors including diabetes, cardiovascular and cerebrovascular diseases.

*Of primary concern are the nation's oral health infrastructure; financing streams for dental care; delivery of service to institutionalized and homebound adults; protecting New York's Medicaid dental coverage; and achieving national coverage through Medicare.*

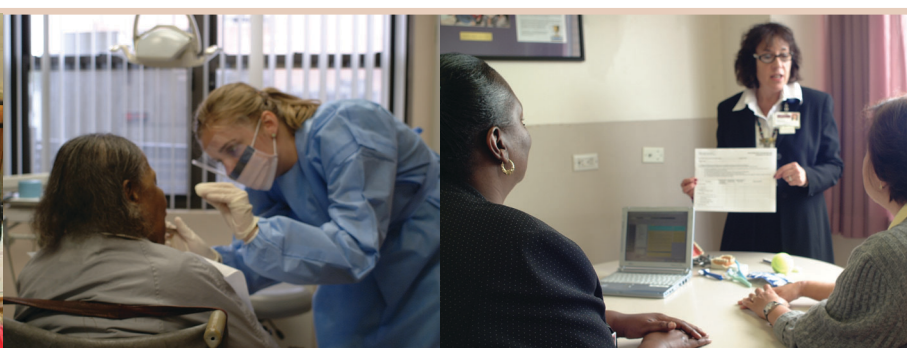
- Oral Disease Prevention In Seniors: Community Approach. Funded by the Centers for Disease Control and Prevention
- Improving Oral Care Delivery for Homebound Elderly. Funded by the Centers for Disease Control and Prevention
- Oral Cancer Knowledge, Opinions and Behaviors of [Elderly] South Asian Adults in NY, NJ and CT. Funded by the National Institutes of Health (National Cancer Institute)

The ElderSmile program will also promote the definition and development, and assist with the funding and monitoring, of new research projects related to geriatric oral health and dentistry.

## Policy

America's elderly population continues to grow yet its dental needs have received little attention and almost no public health or public policy interventions. That's what makes the ElderSmile geriatric oral health policy initiative so important. The program's goal is to bring together all stakeholders in order to integrate oral health into general health policies and programming so that seniors are provided with systems of comprehensive care. Through this initiative, ElderSmile aims to provide policy support for dental and medical organizations and communities that will directly impact the geriatric population's current lack of access to dental care. To this end ElderSmile is pursuing several central strategies:

- Provide support for the development of national, state and local geriatric programs and policies that advance the oral health of seniors
- Develop policies to improve the accessibility and availability of oral health services for vulnerable and at-risk geriatric populations
- Stimulate and support leadership development in oral health policy
- Raise public and professional awareness of the role of oral health in overall health



## The ElderSmile™ Dental Network

To meet the needs of the local community, a federally designated manpower shortage area, ElderSmile is developing an expanding network of treatment and prevention sites, and outreach programs. Because not all seniors can or will travel to receive outpatient care, a flexible approach to providing dental services is essential to making oral healthcare available to all seniors. In addition to our outpatient facilities within the Columbia University complex, the program also offers service at nursing homes and subsidized senior residences.

*To improve coverage of Northern Manhattan and provide access to as many older patients as possible, future sites are under consideration and will be pursued as funding becomes available.*

- The Thelma C. Davidson Adair Medical/Dental Center located in a senior residence in Harlem places a special emphasis on meeting the healthcare needs of the elderly with a full range of medical and dental services at one site.
- The Columbia ElderSmile initiative has developed a partnership with the Isabella Geriatric Care Nursing Center in the Washington Heights/Inwood area, where residents of the center and the neighborhood receive dental services.
- The ElderSmile dental clinic within the geriatric facility at the Columbia University Medical Center practices an integrated approach to the overall health of adults over age 65.
- Residents and third and fourth year dental students supervised by Columbia faculty treat the most complicated geriatric cases at the school's Vanderbilt dental clinic.
- A Mobile Dental Center van visits senior centers during the summer months and provides on-premises dental education and screening. This outreach program leverages the school's DentCare resources by operating when the van is not needed for offering similar services to children in the HeadStart program.



Statistics show there's much more work to be done.

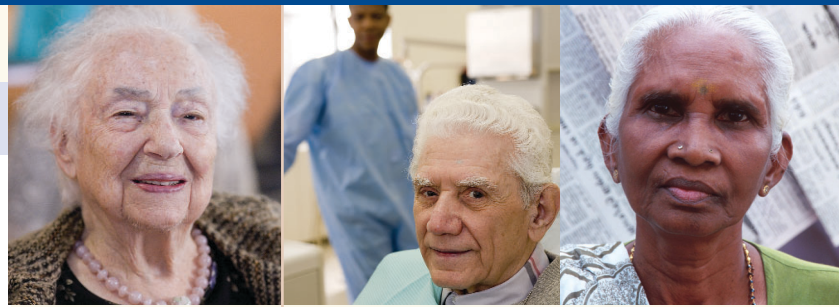
- In Northern Manhattan, 45% of seniors have no teeth, compared with 25% nationally; and only 23% of seniors visited the dentist yearly (the national estimate is 50%).
- Although Medicaid in New York DOES offer dental coverage: only 1/5 of enrolled adults access Medicaid's dental services and only 10% of private dentists provide over \$10,000 in Medicaid dental services.



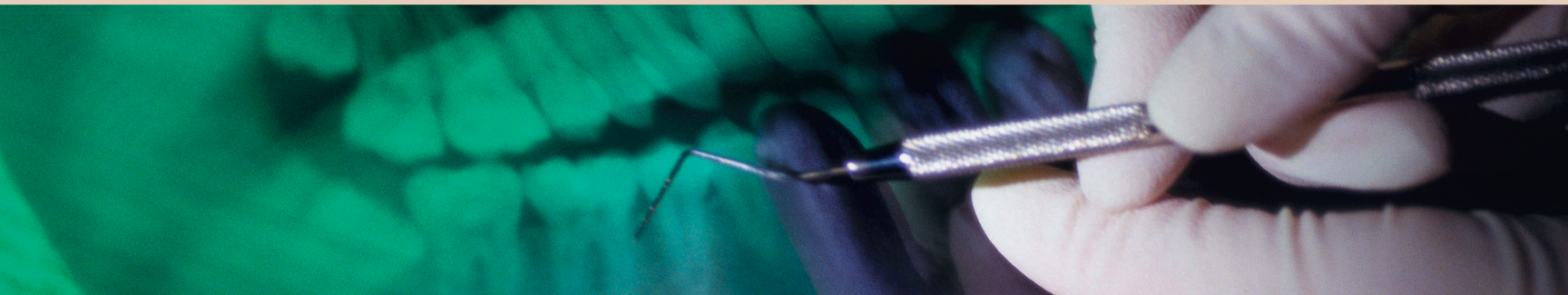
## Educating Tomorrow's Dentists

**W**ith too few skilled dental professionals to treat the growing number of senior citizens requiring special attention and care, the Columbia University College of Dental Medicine has made it a high priority to educate future service providers. This multifaceted program integrates the biological, dental, psychological and social concerns and processes of aging. Every Columbia dental student takes courses and gains practical experience by working at ElderSmile sites and outreach programs. This experience is invaluable. The one-on-one interaction prepares students for the future challenges they will face in treating geriatric patients who may be physically fragile or have difficulty expressing themselves. In addition, the college plans to develop a two-year formal program in geriatric dentistry, which will include training in dentistry, medicine and public health.

Although they study in New York, the school's graduating students will disperse to practice and teach throughout the country. In essence, Columbia is educating the future thought leaders and practitioners in geriatric dentistry.



*Columbia's coursework in gerontology and geriatric dentistry, which we hope to expand, integrates the biological, dental, psychological and social aspects of aging.*



*Five years after the former U.S. Surgeon General called oral disease a "silent epidemic" and noted low-income elderly were at particularly high risk, little has been done to address the situation. Nearly one of every four Americans between 65 and 74 suffers the deleterious effects of severe periodontal disease—diminishing their quality of life; causing them pain; inhibiting speaking, smiling and eating; impacting self esteem; and often restricting social interaction.* 7

Our Success Depends

ON YOU



*ElderSmile needs more funds to continue to operate our existing facilities and outreach programs, and to expand our services.*

**E**lderSmile has developed a strategy for improving access to and delivery of oral healthcare for seniors and will continue to work to eliminate practical, logistic and financial barriers to the delivery of care. We will share information about our network outreach model with other dental schools in New York and across the country. We will strive to increase awareness among healthcare professionals and patients as to the importance of oral health in overall health. We will continue to train students and other dental professionals to deliver geriatric dental services.

**But we cannot do it alone.**

*We need your support.*

**O**ur goal is to open additional treatment sites and to add a much-needed transportation component. The program needs more staff to administer and champion our cause, and the college needs additional faculty to teach and mentor the next generation of dentists.

We trust you will agree that the elderly need and deserve full access to comprehensive dental care. We believe that, together, we can forever alter the landscape and transform the ElderSmile vision into a reality.

To show your support, or for more information, please contact:

University College of Dental Medicine, Development Office  
630 West 168th Street, P&S 3-460, New York, NY 10032  
212.342.5612

**The following organizations have already joined with Columbia in support of the ElderSmile program through funding or active partnerships:**

- The Fan Fox and Leslie R. Samuels Foundation
- The Stella and Charles Guttman Foundation
- Henry Schein, Inc.
- The Centers for Disease Control and Prevention
- National Institutes of Health's National Cancer Institute
- New York State Dental Foundation
- Consumers Union
- Washington Heights & Inwood Council on Aging, Inc.
- New York-Presbyterian Hospital
- Columbia Center for Active Life of Minority Elders





COLUMBIA UNIVERSITY

*College of Dental Medicine*

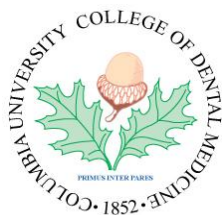
Columbia University College of Dental Medicine

Development Office

630 West 168th Street, P&S 3-460

New York, NY 10032

212.342.5612



## Community DentCare Network



## ELDER SMILE PROGRAM WILL COME TO

### **SR. CENTER ADDRESS**

COME AND RECEIVE A FREE!!!!!!!!!!

WORKSHOP ON ORAL HEALTH, DIABETES & HIGH BLOOD PRESURE

DENTAL, BLOOD PRESSURE & BLOOD SUGAR  
SCREENINGS, TREATMENT REFERRAL, and

GOODIE BAG

**WHEN:**

**TIME:**

Participants must be enrolled at the senior center.

For more information about the ELDERSMILE PROGRAM please call 212-305-1045





## Community DentCare Network



### ELDER SMILE PROGRAM ESTARA EN

**CENTRO DE >>>>>**

New York, NY

**VENGA Y RECIBA GRATUITAMENTE!!!!!!!**

Educación sobre la salud Bucal, Diabetes e Hipertensión (Presión Alta)

**EXAM DENTAL, PRESION ARTERIAL Y  
AZUCAR**

**Referidos y Bolsas de regalos**

**CUANDO:**

**HORA:**

Para participar tienen que ser parte del centro de personas mayores  
Para obtener mas información sobre el Programa de ElderSmile,  
favor de llamar al 212-305-1045.