

Minority Dental Faculty Development Phase III Program Progress Report

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Proposed

- Endorsement of minority dental and dental hygiene faculty to prepare them for advancement in their profession
- Encourage dental hygienists in the community in the promotion of outreach activities
- Creation of students' diversity organization
- Implementation of a dental sealants and fluoride delivery program for elementary school children

Outreach Program

- Establishment of Children's Clinics
 - Dental screenings
 - Referrals to Health Department Dental Clinic or pediatric Dentistry Clinic at GRU
 - Transport children from target elementary school (of area in need) to the clinics of the College of Dental Medicine.
 - Children receive dental hygiene treatment and oral hygiene instructions.

Dental Screenings

- Dr. Blake Collins – Richmond County Health Department
- Dental assistant/dental trailer technician
- Dental hygiene students
- Dental hygiene faculty

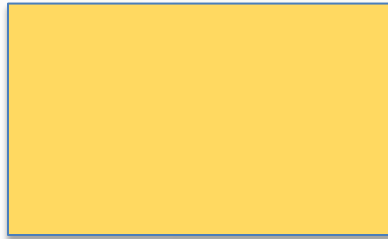


Results from Screenings

- Male 42%, Female 58%
- 26% of children had active decay
- 60% had restored decay
- 2% had urgent needs



Referrals to Health Department Dental Clinic or pediatric Dentistry Clinic at GRU



- Severe cases were referred
- Antibiotics prescribed
- Parents contacted to inform of concerns
- Follow up by school on children with suspicious injuries. (fractured teeth, bruising)

Transporting children from target elementary school to the clinics of the College of Dental Medicine.

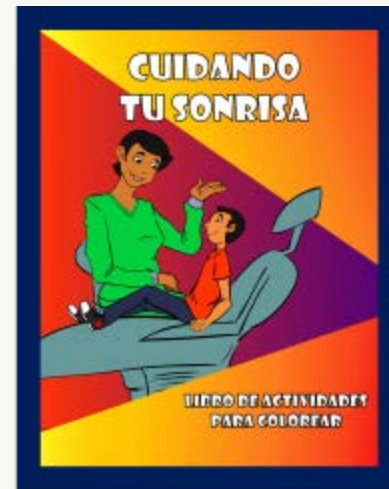
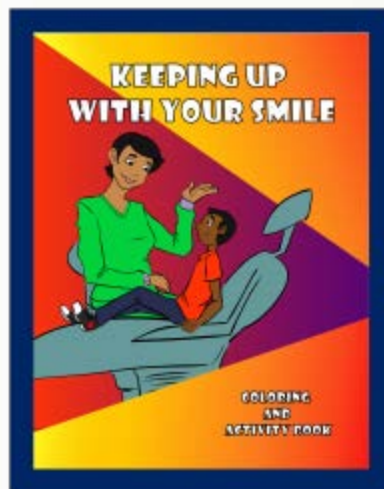


Dental Hygiene Treatment and Oral Hygiene Instructions

- Prophylaxis – scale and polish
- Dental sealants
- Fluoride varnish application
- Oral hygiene instructions:
 - Toothbrush and dental floss
 - Stickers, easy-floss aids, tooth-fairy box
 - Coloring and activity book and crayons

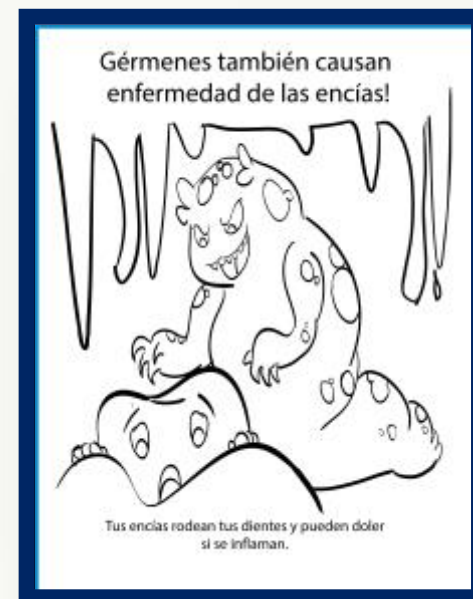
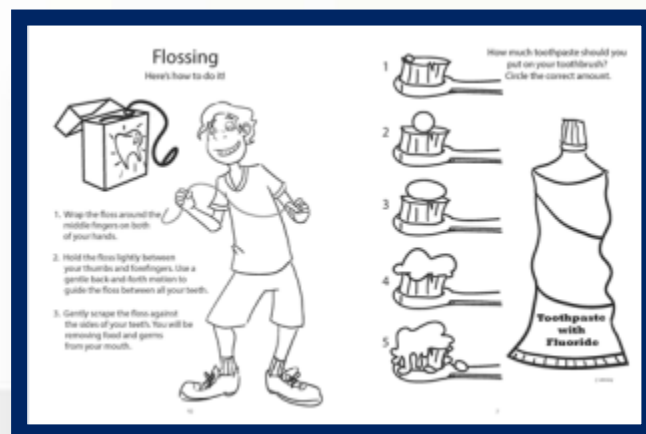
Coloring and Activity Book

- English version
- Spanish version

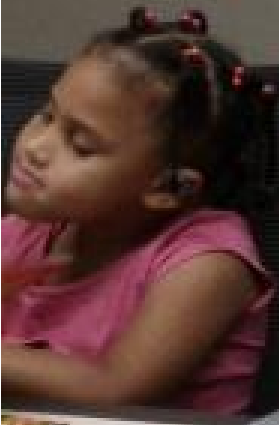
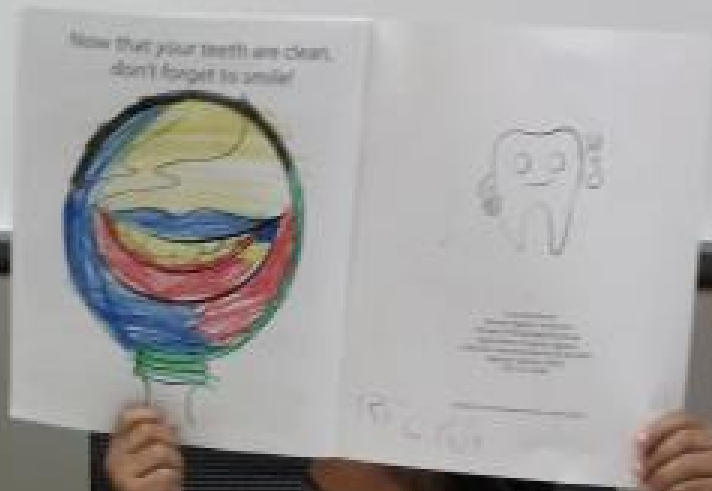


Demonstrates:

- anatomy
- dental care
- nutrition











Partnering with GRU College of Dental Medicine

- Utilization and sterilization of instruments
- Staff/maintenance
- Use of space in clinics
- Senior dental students participate in Children's Clinics (checking after prophylaxis and sealants), with faculty permission
- Support for future activities

Partnering with Richmond County Health Department

- Strengthening relationships benefit
 - Communication of needs
 - Children of underserved areas
 - Dental hygiene students interaction with children



Long-Term Partnership with Lamar-Milledge Elementary School

In progress:

- Discussions with Principal Ms. Raye Robinson to schedule annual presentations by dental hygiene students during our Community course

Partnership with the Boys and Girls Club in Augusta



Dental Hygiene Diversity Students Organization (DHDSO)

- Goals: to advise dental hygiene students into becoming the future educators for the profession; to mentor minority students toward constant improvement and search for higher degrees, to motivate minority dental hygiene students to strive for excellence.
- Objectives: sharing ideas, stories, and what has been learned from advising sessions, community involvement, outreach activities, recruiting, and advance degree counseling.

Joining DHDSO and CDM Diversity Group



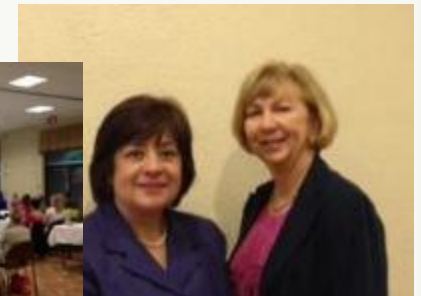
Community Awareness

CE Program during Alumni Day (80 participants)

Invited Speaker: Ms. Cherie Rainwater RDH, MS

“Hooked on Serving”

- Provided guide to become a consumer advocate for oral health
- Identification of community resources to assist in oral health education
- Outlined advantages for developing partnerships with other healthcare professions and non-traditional partners
- Linked community service to advocacy and interdisciplinary collaboration.



Faculty Development

- Kandyce Mack – Increase in time commitment to participate in outreach program planning and implementation
- Promotion from instructor to assistant professor
- Attended ADEA meetings in San Antonio and DC
- Institute for Allied Health Educators- “Teaching Foundations in Allied Health Education”

- Amara Abreu DDS – Hispanic junior dental faculty
- Outreach program participation
- Applying for promotion this year
- Attended ADEA meeting in San Antonio

- Ana Thompson – recognition and credibility at CAHS as a project/program leader
- Transition from interim chair to chair of department of DH as of April 1st 2014
- Attended ADEA Annual Meeting in San Antonio, ADEA Allied Dental Program Directors' Conference in Philadelphia, and Washington DC
- Will attend ADHA annual session
- Considering PhD program in near future

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INTRODUCTION

Disparities records of Richmond County, where Georgia Regents University (GRU) is located, show that the number of children living below the poverty level is high. Approximately 42.3% of children younger than 6, and 39.4% of children between 6 and 12 years live below the poverty level. By race or ethnicity, 43.1% of Black or African American children, 34.9% of Hispanic or Latino children, and 36.9% of multiracial children live below the poverty level.¹ More than 73% of children attending a Richmond County school are African American.² Even when these children qualify for health and dental insurance, there are barriers that prevent them from obtaining access to available dental care. Lack of transportation and level of education of their parents are examples of those common barriers. During previous community events, dental and dental hygiene faculty of GRU have observed numerous examples of children with restorative needs, most due to severe decay. There is a need for these children to obtain preventive care and oral hygiene instructions during this critical stage in their life. In order to facilitate the broadening of their knowledge about oral health, an increase in the number of contact experiences with dental practitioners is desirable. Clinical areas that can be utilized to facilitate access to care for minority children are available in educational settings like GRU. What is absent is a greater number of dental practitioners trained and motivated to provide care to disadvantaged populations. For those reasons, the recruitment, mentoring and development of minority faculty is indispensable, in addition to an established partnership between dental and dental hygiene programs. Such partnership must include a long-term commitment to facilitate the implementation of outreach programs. The improvement of access through an increase of diverse dental professionals should be prioritized.³

PURPOSE

Thanks to a grant received from the W.K. Kellogg Foundation and the American Dental Education Association (ADEA), available funds have been utilized to initiate a program of faculty development; the establishment of a Dental Hygiene Diversity Students' Organization, and the implementation of an outreach project to reach approximately 300 children between 5 and 12 years old. The school-based dental sealant delivery program was planned and implemented by minority dental and dental hygiene faculty. The target population was defined as minority children of underserved areas. The need for sealants was assessed, and preventive dental care, including sealants and oral hygiene instruction, were offered in the clinic space of the College of Dental Medicine.

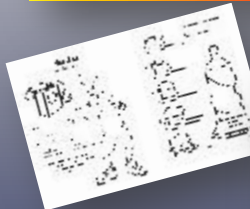
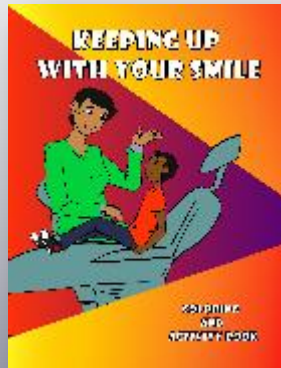
The outreach project included the following:

- The project population consisted of children who attend Lamar-Milledge Elementary School in Richmond County, Georgia.
- A partnership was developed with Richmond County Health Department Dental Clinic to utilize their mobile dental unit for screening purposes. The dentist in charge of the clinic participated supervising the screening process.
- Once students were screened, children were transported to and from the College of Dental Medicine to receive dental cleanings, sealants, and oral hygiene instructions.
- Dental hygiene care was provided by dental hygiene students with faculty supervision.
- Dental hygienists from the community and adjunct faculty were invited to volunteer during these clinical sessions.
- Children with restorative or emergency needs were referred for treatment to the Pediatric Dental Clinic at GRU.
- Approximately 20-30 children were transported and treated at a time. The project took approximately 10 weeks, for an estimated total of 200 children.

When children were not receiving dental hygiene treatment, they were educated on proper oral hygiene instructions, proper nutrition, and overall preventive dental care. A coloring and activity book was designed to serve as a teaching aid.



Children working on their coloring books while they wait to have dental hygiene treatment which includes sealants and fluoride varnish.

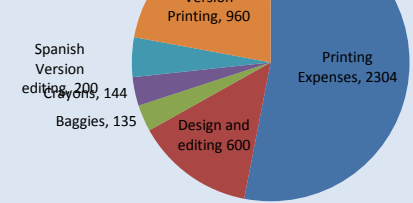


UTILIZATION

Dental hygiene faculty and students have participated in community activities in which they have utilized the coloring books to review dental health knowledge with children.

| DATE | PLACE | # OF COLORING BOOKS GIVEN | TYPE OF OUTREACH | Ages |
|----------|-------------------------------------|---------------------------|--------------------------------------------------------------------------------|-----------------------------------|
| 10/9/13 | Georgia Regents University | 28 | Grant Clinic | 6-8 |
| 10/25/13 | Georgia Regents University | 28 | Grant Clinic | 6-8 |
| 11/1/13 | Georgia Regents University | 24 | Grant Clinic | 8-10 |
| 11/15/13 | Georgia Regents University | 26 | Grant Clinic | 8-10 |
| 11/26/13 | Boys and Girls Club | 25 | Dental Hygiene Diversity Student Organization (DHDSO) Oral Health Presentation | 6-10 |
| 1/24/14 | Georgia Regents University | 21 | Grant Clinic | 8-10 |
| 2/7/14 | Georgia Regents University | 25 | Give Kids a Smile | 5-11 |
| 2/7/14 | Heritage Academy | 36 | DHDSO | 6-8 |
| 2/14/14 | Lake Forest Hills Elementary School | 25 | Oral Health Presentation | 4-5 |
| 2/28/14 | Georgia Regents University | 12 | Grant Clinic | 10-11 |
| 3/26/14 | Tabernacle Baptist Church | 45 | DHDSO | 5-11 |
| 4/4/14 | Georgia Regents University | 11 | Grant Clinic | 10-11 |
| | | Total Books given | 306 | Total Children Reached 306 |

Cost of the coloring book, crayons and baggies in dollars:



DISCUSSION

- The initial cost of the coloring book was higher than expected due to the quality of the paper and the cost of illustrations. In order to make it more affordable, future printing orders may require a reduction in the quality of paper.
- The possibility of printing the book in external print shops is being evaluated.
- Marketing strategies must be implemented in order to reach the goals expected.
 - The setup of an account for program income generated by the sale of this coloring and activity book has been requested.
 - The creation of a webpage where we could accept credit cards to pay for the books is in progress. The web page will facilitate marketing the book nationwide, and worldwide.
 - The educational coloring book in English or Spanish is available for sale in fund raising events.
- All proceeds from the sales of coloring books will be utilized for the sustainability of the outreach program in upcoming years.
- Dental hygiene students will continue utilizing this book in all community opportunities IE. Health Fairs, Give Kids a Smile, and other outreach projects.

HOW CAN EVERYONE HELP?

Funds collected will be utilized to cover transportation expenses (school bus), supplies, and printing additional coloring books when required.
 For information about this coloring and activity book please contact the author at: athompson@gru.edu

Opportunity for Sustainability of Outreach Program

Coloring and Activity Book

- We are planning to sell copies to collect funds that will be utilized to cover screening and transportation expenses (school bus).
- Setup account for program income generated by sale of book.
- In process of setting up a webpage where we will be able to accept credit cards to pay for the books.
- Expand marketing to Spanish speaking population (possibly international market)

Barriers

Outreach Project

- Parents not signing permits
- Incomplete medical histories
- Time commitment of faculty
 - visiting elementary school, verification of forms, transfer of information to files, clinic supervision, etc.
- Transportation – driver's schedule
- Clinic space
 - Scheduling Children's Clinics when dental students are not in clinic

Barriers

Faculty Development

- Not enough faculty opportunities
 - When available, no minority candidates apply
- Time commitment of faculty
 - High teaching loads

Plans

- Recruitment of volunteer dentists and dental students to help in clinics
- Over-Schedule to compensate for absent children
- Continue reaching as many children as possible through the DHDSO
- Consider screening and treating children on same appointment and charge Medicaid

Future Goals

- Grant applications for support of additional outreach activities and faculty development
 - Faculty release opportunities to further education and for community service
- Recruitment of minority students from health sciences magnet high-school
- Career Technical and Agricultural Education – recruiting students into health professions.

Acknowledgement

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- Dr. Joseph West



What questions do you have?