Twenty-four percent of the population in Pitt County live in poverty including children who lack access to oral health care. In Fall 2017, East Carolina University and Pitt County Public Schools collaborated to open the East Carolina University Community School (ECUCS), housed within South Greenville Elementary. The entire student body of ECUCS is deemed to have “critical needs” due to socio-economic and other challenges.

Our Goals:

- Integrate oral health education into their school curriculum.
- Establish an on-site toothbrushing program.
- Streamline a referral process to the ECU School of Dental Medicine for continued dental care.

Service Provided

- Weekly oral health classroom lessons including tooth shapes & function, decay process, nutrition, brushing technique, flossing, fluoride, and dental sealants.
- Provided K-5th graders with a dental cart including a toothbrush, toothpaste, flossers, and a timer for each student ($800 donation).
- Supervised toothbrushing and flossing in each class room.
- Quarterly family night oral health education.
- Connected students and their families who do not have a dental home to the ECU SoDM.

Results

<table>
<thead>
<tr>
<th></th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>Students who brushed independently for 2 minutes</td>
<td>100%</td>
<td>86</td>
</tr>
<tr>
<td>Kindergarten: Decrease in sugary foods &amp; soda</td>
<td>13%</td>
<td>12</td>
</tr>
<tr>
<td>1st Grade: Decrease in sugary foods &amp; soda</td>
<td>27%</td>
<td>4</td>
</tr>
<tr>
<td>2nd Grade: Increase in sugary foods &amp; soda</td>
<td>50%</td>
<td>2</td>
</tr>
<tr>
<td>3rd Grade: Decrease in sugary foods &amp; soda</td>
<td>40%</td>
<td>3</td>
</tr>
<tr>
<td>4th grade: Decrease in sugary foods &amp; soda</td>
<td>14%</td>
<td>3</td>
</tr>
<tr>
<td>Referral to ECU SoDM</td>
<td>14%</td>
<td>36</td>
</tr>
</tbody>
</table>

Table 1. Results from pre and post student surveys.

Sustainability

- ChOHP will be sustained at the ECU Community School by integrating oral health lessons with their classroom lesson plans.
- On-site toothbrushing will continue weekly and supervised by the school nurse.
- ChOHP is available for dental students to volunteer.
- Referral system establish a dental home at ECU SoDM for continuity of care.

Acknowledgements

We would like to thank the Albert Schweitzer Fellowship and BCBSNC Foundation as well as

ECU School of Dental Medicine
Dr. Michael Webb, DDS, MEd., (Academic Mentor)
Dr. Nikki Tucker, DDS (Academic Mentor)
Amir Taha (3D Print Design)

ECU Community School
Lesha Rouse, RN, MSN (Site Mentor)

Practicon Dental Supply
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