

Title of Intervention: The Crest Cavity-free Zone Program

Website: www.cavityfreezone.org

Intervention Strategies: Group Education

Purpose of the Intervention: To provide oral health education, oral care tools and increased access to dental professionals for under-privileged children and their families across the United States

Population: Under-privileged children between the ages of 5-15

Setting: A Boys and Girls Club of America in Newport, Kentucky; community-based

Partners: Crest Healthy Smiles 2010, American Dental Association, Procter and Gamble Company

Intervention Description:

- Group Education: The Crest Cavity-Free Zone Program provided information in three modules based on participant age. Lessons were given on building self-esteem in one's smile, development of proper oral hygiene habits, anatomy of teeth and gums, development of a positive attitude towards dentists and dental visits and development of nutritional awareness.

Theory: Not mentioned

Resources Required:

- Staff/Volunteers: Instructors
- Training: Not mentioned
- Technology: Not mentioned
- Space: Space for presentation
- Budget: Not mentioned
- Intervention: Educational materials, toothbrush, toothpaste, disclosing tablets, dental floss, games, exercises and lesson plans
- Evaluation: Questionnaires, clinical measures

Evaluation:

- Design: One group, pre/post-test
- Methods and Measures:
 - Loe-Silness Gingival Index to measure participants' gingival index
 - Turesky Modification of the Qugley-Hein index to measure participants' plaque levels
 - Dental Knowledge Questionnaire to measure participants' dental knowledge

Outcomes:

- Short Term Impact: There was an increase in dental knowledge.
- Long Term Impact: Children had statistically significant reductions in gingivitis, gingival bleeding and dental plaque levels.

Maintenance: Not mentioned

Lessons Learned: Not mentioned

Citation(s):

Biesbrock AR, Walters PA, Bartizek RD. Initial impact of a national dental education program on the oral health and dental knowledge of children. J Contemp Dent Pract. May 15 2003;4(2):1-10.

Biesbrock AR, Walters PA, Bartizek RD. Short-term impact of a national dental education program on children's oral health and knowledge. J Clin Dent. 2004;15(4):93-97.