

Title of Intervention: A Worksite-based Oral Health Intervention

Intervention Strategies: Environments and Policies, Supportive Relationships, Group Education, Campaigns and Promotions

Purpose of the Intervention: To control and prevent oral diseases

Population: Workers

Setting: Two Danish chocolate factories; worksite-based

Partners: Factory Safety Committees

Intervention Description:

- Environments and Policies: Clinical preventive services were provided using mobile dental equipment and a dental hygienist. Workers were offered four visits to the hygienist during the first year and two visits the second year.
- Supportive Relationships: Individual instruction and advice about prevention of dental diseases with the focus on work-related conditions were also given.
- Group Education: Participants were educated in the prevention of dental diseases, in particular, conditions induced by sugar dust.
- Campaigns and Promotions: Posters and pamphlets were used as part of the educational approach.

Theory: Not mentioned

Resources Required:

- Staff and volunteers: Educators
- Training: Not mentioned
- Technology: Mobile dental equipment
- Space: Room for group discussion
- Budget: Not mentioned
- Intervention: Posters and pamphlets
- Evaluation: Printed questionnaires, clinical assessment tools

Evaluation:

- Design: One group, pre/posttest
- Methods and Measures:
 - Questionnaire to measure dental knowledge and attitudes
 - Charting of plaque, gingivitis and dental caries

Outcomes:

- Short Term Impact: Knowledge about caries improved significantly. Positive attitudes to fluoride increased significantly.
- Long Term Impact: Not mentioned

Maintenance: Not mentioned

Lessons Learned: More attention should be given to workplaces as possible locations for health education and the delivery of dental services to industrial workers.

Citation(s):

Petersen PE. Evaluation of a dental preventive program for Danish chocolate workers. Community Dent Oral Epidemiol. Apr 1989;17(2):53-59.