

SDPBRN Research Audit Portfolio Project

Interaction between dental professionals and families: a feasibility and pilot study for audio-visual recording of Childsmile in Dental Practice (BEHAVE2)

Research audit category	Category B – Practice-based dental research projects conducted by Higher Education Institutions or NHS Health Boards.
Dental care quality dimension(s)	Person-centred
Research Audit Hours Awarded	2.5 hours
Project Details	
Background	<p>Childsmile is a NHS initiative funded by the Scottish Government to improve the oral health of children in Scotland. Parents are encouraged to take their children to attend their local General Dental Practice by the Dental Health Support Workers. However, how do staff ensure that children receive fluoride varnish (FV), that the oral health advice and support for parents is provided and that parents know how to supervise their child's toothbrushing and healthy eating?</p> <p>In order to increase fluoride varnish application (FVA), it is important to know how the dental team goes about providing FV and oral health advice in primary care. The Scottish Government has funded this project as a first step in gathering this information with the main aim to assess the feasibility and acceptability of exploring the interactions between dental professionals, child patients and their parents when providing FVA and/or dental health education through audio-visual recording in General Dental Practice.</p>
Research question(s) relating to quality dimension	What is the feasibility and acceptability of exploring the interactions between dental professionals and families (children and parents) when providing FV and/or oral health advice through audio-visual recordings in General Dental Practice?
Primary outcome(s) relating to quality dimension(s)	<ol style="list-style-type: none"> 1. Parents' coded responses to what dental professionals said to them during the FVA process; 2. Dental professionals' coded responses and/or acknowledgments to parents' questions and comments.
Secondary outcome(s) relating to quality dimension(s)	Parents' and dental professionals' views about the feasibility and acceptability of exploring the interactions between dental professionals, child patients and their parents when providing FVA using video recording in General Dental Practice.
Design	The study design will be a cross-sectional observation of the dental professionals-parent-child interaction during fluoride varnish application and/or dental health education provision in a General Dental Practice setting using audio-visual recording. It will also include post-observation semi-structured interviews to parents and dental professionals to explore their perceived views of acceptability and feasibility of being observed using a video camera placed in the General Dental Practice setting.
Setting	The study will take place in General Dental Practices across NHS Fife and NHS Tayside Boards.

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Participants	Dentists, DCPs, Patients, Parents
Number of dentist participants	20
Research audit activities	The dentist/DCP participant will be recorded in their appointment with a child patient aged between 2 and 5 years. This would include the audio-visual recording of the dentist's/DCP's FVA and information provided. The dentist/DCP will then interviewed on what they thought of this process and asked to reflect upon the feasibility and practicality of using audio-visual recording in practice.
Reflective activity	Dentists and DCPs will be asked to reflect upon their practice of providing FV and oral health advice, develop plans for improvement and complete a reflective report.
Anticipated start date	February 2017
Anticipated end date	August 2018
Project Status	Ongoing
Contacts	
Chief Investigator	Professor Ruth Freeman
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