

SDPBRN Research Audit Portfolio Project

Prevention and Treatment of Periodontal Diseases in Primary Care

Research audit category	Category D - National, practice-based, dental quality improvement initiatives that include a reflective research component
Funding body	Not applicable
Award reference number	Not applicable
Dental care quality dimension(s)	Timely, efficient, equitable, effective care
Project Details	
Background	<p>Previous studies have identified a high prevalence of periodontal disease in the Scottish population. In recognising a need for support in improving the management of patients with periodontal conditions, SDCEP published the guidance document 'Prevention and Treatment of Periodontal Diseases in Primary Care' in June 2014. Throughout the development of the guidance document the TRiADS framework for translating guidance recommendations into practice has been followed. An important component of using the framework is to measure current practice and to explore the barriers and facilitators to complying with guidance recommendations. Identifying these influencing factors informs the development of future theoretical driven interventions if required.</p> <p>The aim of this research is to apply the TRiADS methodology by using a repeated measurement design study to gather pre- and post-publication data about clinical practice. Also it aims to identify the barriers and facilitators to following evidence-based recommended practice.</p>
Research question(s) relating to quality dimension	<p>1) What is the level of and variation in compliance in the delivery of 8 of the key recommendations from the SDCEP's guidance 'Prevention and Treatment of Periodontal Diseases in Primary care' among practitioners?</p> <p>(2) What are the barriers and facilitators to implementing 4 of these key recommendations?</p>
Primary outcome(s) relating to quality dimension(s)	<p>1) Data on the compliance of the delivery of 8 of the key recommendations pre- and post- publication of the guidance;</p> <p>(2) Knowledge about the barriers and facilitators to implementing 4 of these recommendations;</p> <p>(3) Identification of a need for an intervention to promote the uptake of evidence-based recommended practice.</p>
Secondary outcome(s) relating to quality dimension(s)	The utility of the COM-B system - a framework for understanding behaviour - in designing a questionnaire aimed at understanding the factors which influence the delivery of evidence-based recommended practice.
Design	Repeated measures cohort study
Setting	Primary care in Scotland
Participants	Primary care dentists and hygienists/therapists
Number of dentist participants	121

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Research audit activities	Participants complete two questionnaires at pre- and post-publication of the guidance (6 months apart). They are asked to self-report the extent to which they deliver 8 of the key recommendations from the guidance document. Also for 4 of the key recommendations the participants are asked to rate on a 5 point Likert agreement scale the extent to which they agree with a statement about different potential influences on delivering the recommendation. The number of statements per recommendation ranges from 17 to 24.
Reflective activity	Dentist participants are asked to reflect on 3 of the key recommendations in the questionnaire. They are required to write a short paragraph about 5 aspects of participating in the research: - (1) The facilitators and barriers to following the recommendations from their own and from the practice's perspective; (2) The differing views within the dental team about following the recommendations; (3) The effect of following the recommendations in their future practice; (4) Outline the next steps to be taken to improve their current practice and (5) Overall learning experience from participating in the study.
Anticipated start date	May 2014
Anticipated end date	April 2015
Project Status	Ongoing
Contacts	
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