

Translation research in a dental setting - decontamination in dental primary care: a randomised controlled trial of two educational strategies

Submission date 17/06/2008	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
Registration date 07/08/2008	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 15/01/2020	Condition category Other	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

Dr Jan Clarkson

Contact details

Dental Health Services Research Unit
Mackenzie Building
Ninewells Hospital
Kirsty Semple Way
Dundee
United Kingdom
DD2 4BF

Additional identifiers

Protocol serial number

N/A

Study information

Scientific Title

Translation research in a dental setting - decontamination in dental primary care: a randomised controlled trial of two educational strategies

Study objectives

In comparison to postgraduate education alone, does the provision of postgraduate education coupled with theory-based, individualised, practice support visits lead to an effective and cost-effective increase in the implementation of postal guidance on the cleaning of dental instruments in dental primary care?

Ethics approval required

Old ethics approval format

Ethics approval(s)

Advice was sought from The Scotland A Research Ethics Committee. The opinion was that this study is service development and does not require to be reviewed by an NHS ethics committee.

Study design

Two-arm multi-centre randomised controlled trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Decontamination in dental primary care

Interventions

The trial will compare the effectiveness and cost-effectiveness of 'tailored enabling' (theory-based, individualised, practice support visits) in addition to standard education to support the implementation into practice of Scottish Dental Clinical Effectiveness Programme (SDCEP) guidance for the cleaning of dental instruments.

Control arm:

Practices in the control arm will experience current practice, i.e., at least one member of the practice team will attend an NHS Education for Scotland (NES) section 63 decontamination course on the cleaning of dental instruments in general dental practice. Attendance at these courses is open to all members of the dental team and the course attendee will be nominated by the practice. The NES section 63 decontamination course employs a traditional didactic methodology and standardised content. The aim of this course is to increase awareness and knowledge of best decontamination practice.

Intervention arm:

Practices in the intervention arm will experience current practice (as per the control arm) followed up by 'tailored enabling'. 'Tailored enabling' comprises theory based, individualised, practice support visits delivered by the NES Infection Control Dental Support team (ICDS) using techniques based on psychological evidence and theories to help change their current practice, if required, to meet with the decontamination guidance. These techniques include identifying barriers and facilitators, verbal persuasion, teaching skills, goal setting, creating action plans,

self monitoring and providing social support. In every practice, the ICDS team will assist the practice team to generate a list of behaviours that deviate from the guidance, make action plans with each team (where, when, who and how they will enact these behaviours) and plans to monitor progress. Each practice will receive one 'tailored-enabling' visit that will last for around three hours by one of the six members of the ICDS team. The visits will take place over a period of twelve months. To ensure standardisation of delivery, training will be provided to the ICDS team before the trial commences.

The intervention is a 4-hour training course and both arms will be followed up at 3 and 6 months.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Practice compliance with 13 key decontamination behaviours identified from the SDCEP guidance in pre-trial elicitation studies, involving key stakeholders including decontamination experts, general dental practitioners and dental care professionals. Compliance with these behaviours will be measured by observed practice and self report. Primary outcomes will be measured at 0, 3 and 6 months.

Key secondary outcome(s)

1. Beliefs (attitudes, perceived behavioural control, motivation and self efficacy), measured at 0, 3 and 6 months
2. Knowledge, measured at 0, 3 and 6 months
3. Economic cost analysis, measured at 6 months

Completion date

31/10/2010

Eligibility

Key inclusion criteria

General Dental Practices in Scotland with an NHS list number

Participant type(s)

Other

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

General Dental Practices in Scotland with an NHS list number where in practice decontamination support visits have previously taken place.

Date of first enrolment

01/08/2008

Date of final enrolment

31/10/2010

Locations

Countries of recruitment

United Kingdom

Scotland

Study participating centre

Ninewells Hospital

Dundee

United Kingdom

DD2 4BF

Sponsor information

Organisation

NHS Education for Scotland (NES) (UK)

ROR

<https://ror.org/011ye7p58>

Funder(s)

Funder type

Government

Funder Name

The Scottish Government - Office of the Chief Dental Officer (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Protocol article	protocol	01/12/2010	15/01/2020	Yes	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes