Developing guidance with knowledge translation in mind

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Scottish Dental Clinical Effectiveness Programme
NHS Education for Scotland
on behalf of the TRiaDS methodology group

Improving Quality in Healthcare:
Translating Evidence into Practice Conference
Edinburgh; November 2012
Developing guidance with knowledge translation in mind

- Background to SDCEP
- Guidance Development Process
- Influence of knowledge translation activities - TRiaDS
Scottish Dental Clinical Effectiveness Programme

‘supporting the dental team to provide quality patient care’

- providing user-friendly, evidence-based guidance on priority topics for oral health care in Scotland

Remit: Development
Dissemination
Regular update
Implementation (Knowledge translation)
Evaluation
Guidance development activities

Guidance Development Group

1. Define the Scope
2. Develop consultation draft
3. Consultation period
4. Revise & peer review
5. Publication & dissemination

Guidelines
Systematic reviews
Primary research
Legislation
Regulations

- Draft and refine the scope
- Retrieval and appraisal of evidence & other information
- Agree recommendations and other content
- Opportunity for anyone to comment
- Respond to consultation feedback
- Quality assurance of the process
- Design of final products
- Distribution to end-users
- Publicity

TRiADS
SDcep
NHS Education for Scotland
Published guidance

- Conscious Sedation in Dentistry (updated 2012)
- Decontamination Into Practice (Cleaning & Sterilization of Dental Instruments)
- Emergency Dental Care
- Drug Prescribing (updated 2011)
- Prevention and Management of Dental Caries in Children
- Practice Support Manual
- Oral Health Assessment and Review
- Oral Health Management of Patients Prescribed Bisphosphonates
Prevention and Management of Dental Caries in Children

- Based on SIGN 47 and 83
- Assessment
- Delivery of preventive care based on caries risk
- Caries management options
- Restorative care, including how to carry out individual treatments
- Recall and referral
- Providing additional support
- Management of suspected dental neglect

CHILDSMILE

Quality Education for a Healthier Scotland
Drug Prescribing for Dentistry

• Based on dentally relevant information within the British National Formulary
• A5 spiral bound booklet
• Prescribing for a range of oral conditions
• Problem-oriented style with drug regimens presented as ‘prescriptions’
• Emphasis on use of local measures where possible
Practice Support Manual

- Ethical Practice
- Record-keeping
- Communication
- Risk Management
- Health and Safety
- Radiation Protection
- Disability Equality
- Medical Emergencies and Life Support
- Audit and Significant Event Analysis

- Supporting tools: templates, checklists
- Latest updates
- Inspection

www.psm.sdcep.org.uk
Oral Health Assessment & Review

- Based on NICE Dental Recall guideline
- Guidance on a new risk-based approach to the standard dental examination
- Underpins more preventive, person-centred care
Translating SDCEP guidance into practice

- Widespread translation of guidance into practice is unlikely to be achieved through publication and dissemination.
- Additional knowledge translation strategies
  - seldom explicit theoretical rationale for intervention choice
    - unable to predict what works where and when
  - few studies conducted in dental practice
TRiADS – Translational Research in a Dental Setting

Aims to improve the quality of the dental healthcare of patients in Scotland by:

- establishing a practical evaluative framework for the translation of guidance
- conducting and evaluating a programme of integrated, multi-disciplinary, knowledge translation research embedded within SDCEP guidance development

Clarkson et al. Implementation Science 2010, 5:57
http://www.implementationscience.com/content/5/1/57

The translation research in a dental setting (TRiADS) programme protocol

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The TRiaDS Framework

A standardised process to:
- determine the need for and design of a KT intervention
- evaluate the KT intervention to inform future choices

Also influences guidance development
Informing the scope

Example 1: Management of Acute Dental Problems

Methods: postal questionnaires to GDPs, GPs and pharmacists
- provided a baseline for future evaluations
- informed which ‘dental problems’ to include
- confirmed GPs and pharmacists would like guidance
- feedback on preferred format e.g. as flowcharts, electronic and paper-based
Informing the scope

Example 2: Prevention and Treatment of Periodontal Diseases

Methods: semi-structured interviews with dentists; postal questionnaires to dental hygienists and therapists

- provided a baseline for future evaluations
- difference in the motivation and confidence of dentists and hygienists & therapist regarding providing periodontal care
- need for guidance on treatment planning, referral criteria and supporting patient behaviour change
- feedback on preferred format
Defining professional behaviour outcomes

SDCEP Guidance – Develop Consultation Draft

TRiaDS - Define Professional Behaviour Outcomes

SDCEP Guidance Development Group identify and prioritise professional behaviour outcomes to assess best practice

Example: Cleaning of Dental Instruments

- numerous recommendations assessed to identify key behaviour outcomes that are observable and measurable
- encouraged the group to consider what were the behaviours most central to improving practice
- opportunity to reconsider whether a change of emphasis within the guidance was necessary
Example: Prevention and Management of Dental Caries in Children

Methods: questionnaire and semi-structured interviews with dentists

- 15 key behaviours; 3 with very low compliance
- guidance content amended
### Applying the TRiaDS framework

<table>
<thead>
<tr>
<th>SDCEP Guidance Topic</th>
<th>Inform Scope</th>
<th>Define Professional Behaviour Outcomes</th>
<th>Diagnostic Analysis</th>
<th>KT Intervention Decision</th>
<th>Evaluation</th>
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Summary

- SDCEP is now an important source of guidance for dental professionals in Scotland and beyond – also relevant to other disciplines
- We have Knowledge Translation in mind at all stages of guidance development
- Through TRiaDS, SDCEP has KT research embedded within guidance development
- Close links with education providers and policy makers
- Contributing to NHSScotland’s Quality Strategy to support safe, effective, person-centred healthcare
Acknowledgements

- Members of Guidance Development Groups
- All respondents and contributors to consultations
- SDCEP Team
- TRiaDS Methodology Group
- NHS Education for Scotland

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