Developing guidance with knowledge translation in mind

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NHS Education for Scotland
on behalf of the TRiaDS methodology group

Improving Quality in Healthcare:
Translating Evidence into Practice Conference
Edinburgh; November 2012

TRiaDS
Translation Research in a Dental Setting

SDCEP Scottish Dental Clinical Effectiveness Programme

NHS Education for Scotland

Developing guidance with knowledge translation in mind

- Background to SDCEP
- Guidance Development Process
- Influence of knowledge translation activities -TRiaDS

NDAC
National Dental Advisory Committee

NHS
Education for Scotland

SDCEP
Scottish Dental Clinical Effectiveness Programme

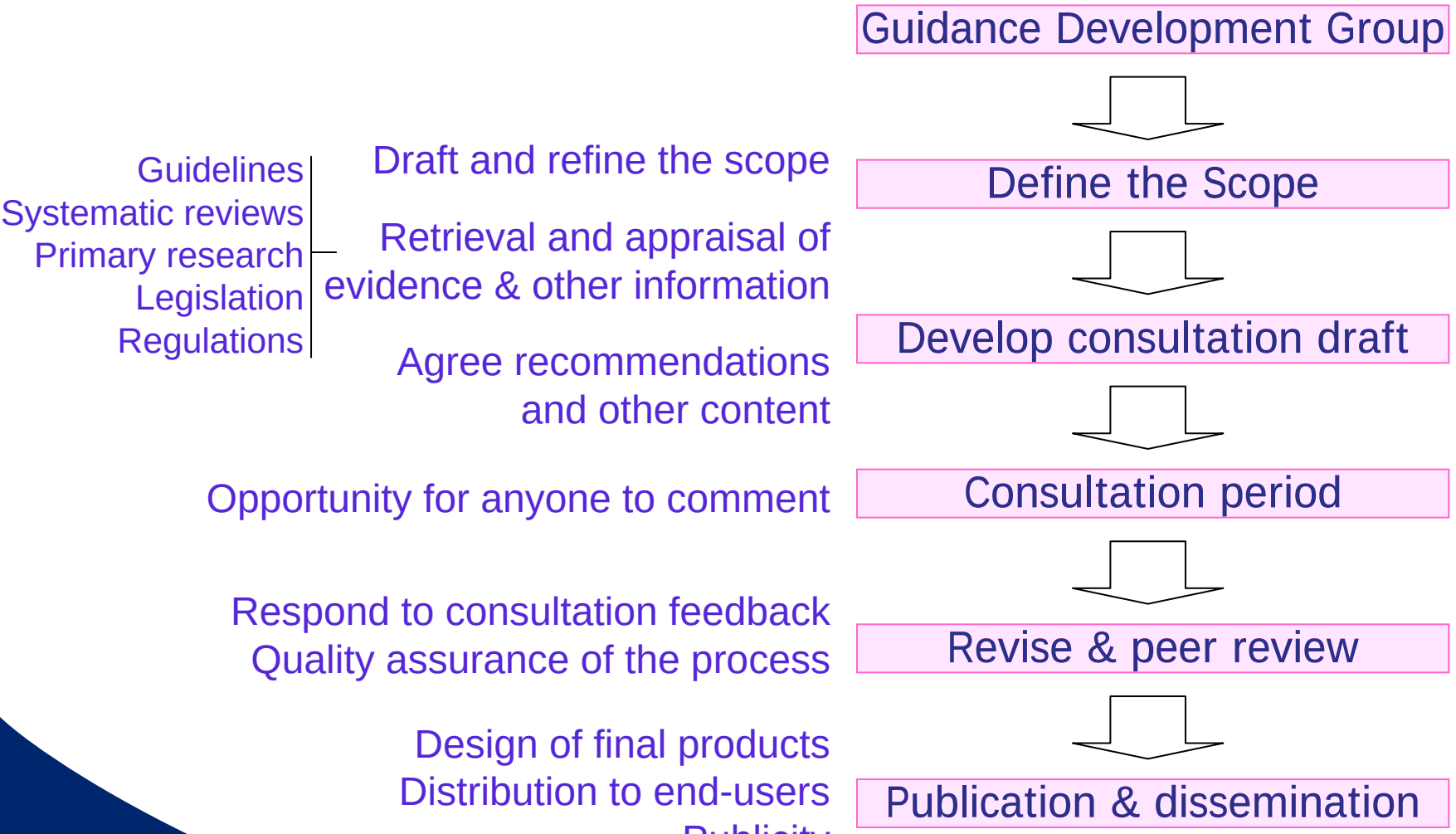
Scottish Dental Clinical Effectiveness Programme

'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

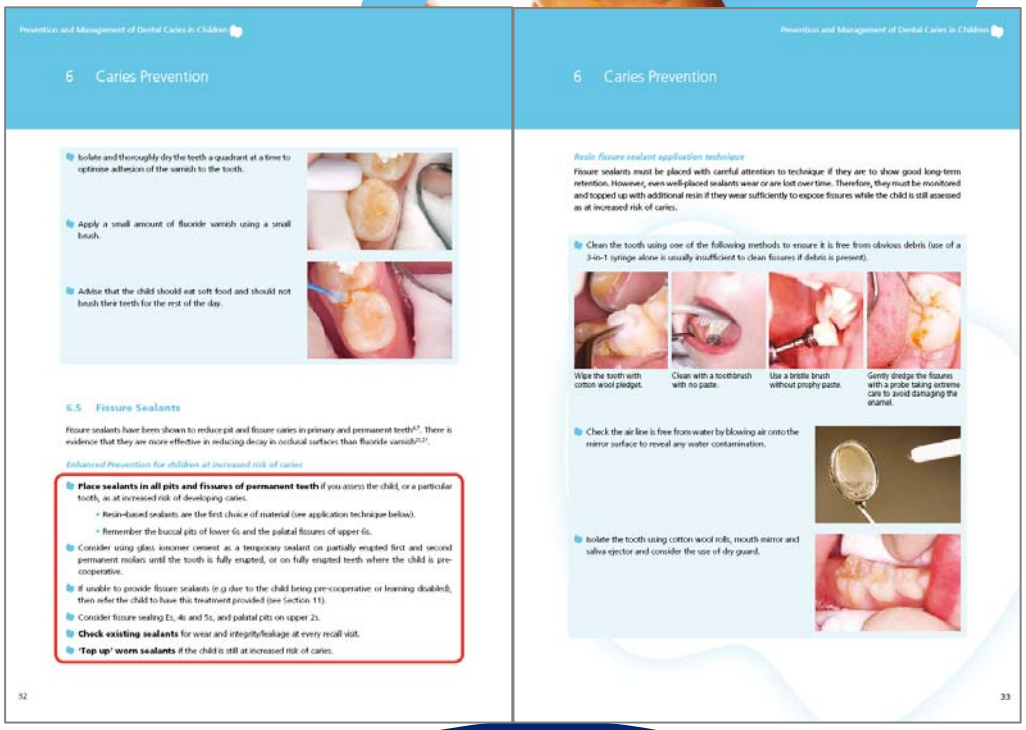


Published guidance

- 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

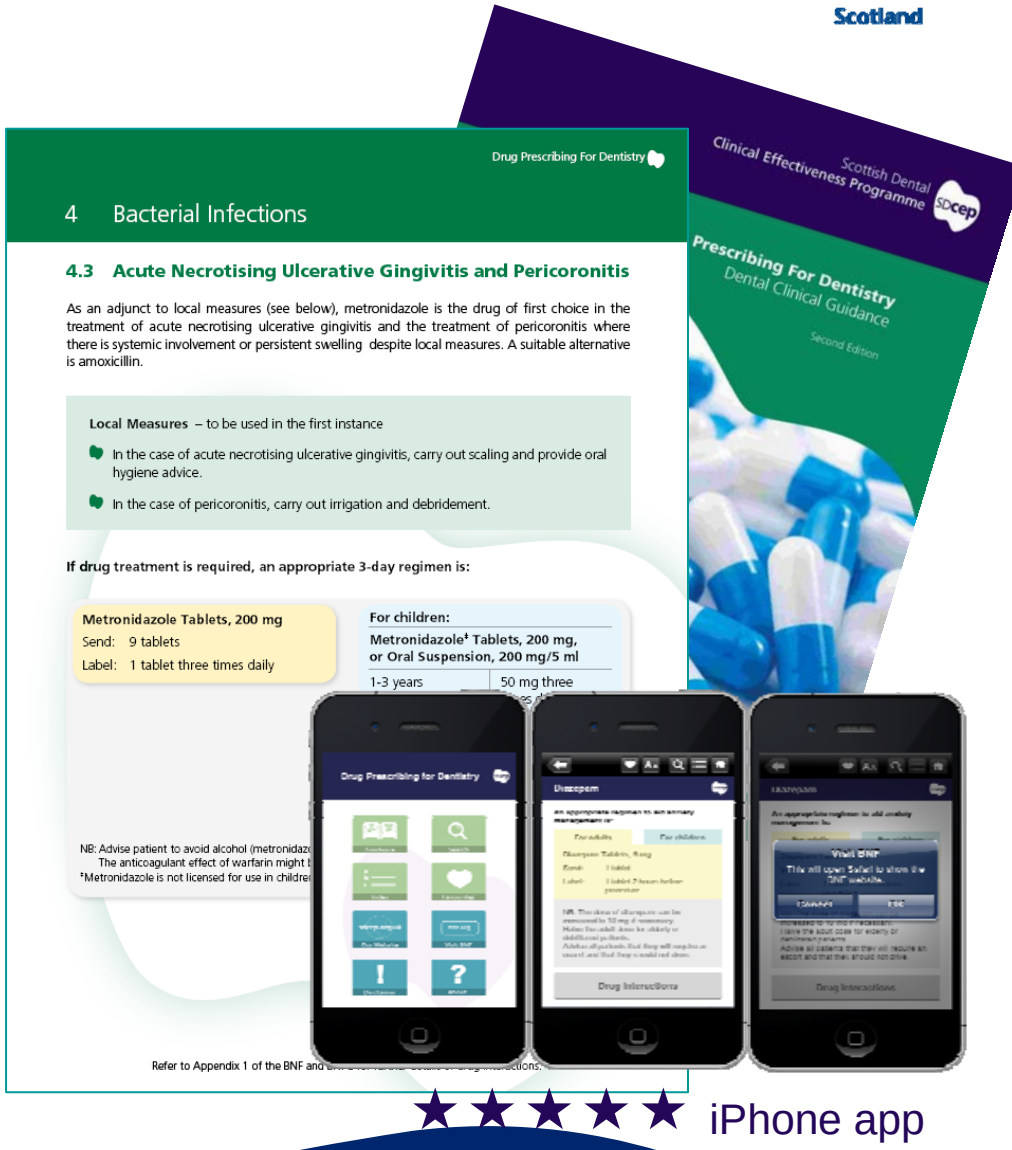
Prevention and Management of Dental Caries in Children

- 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



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

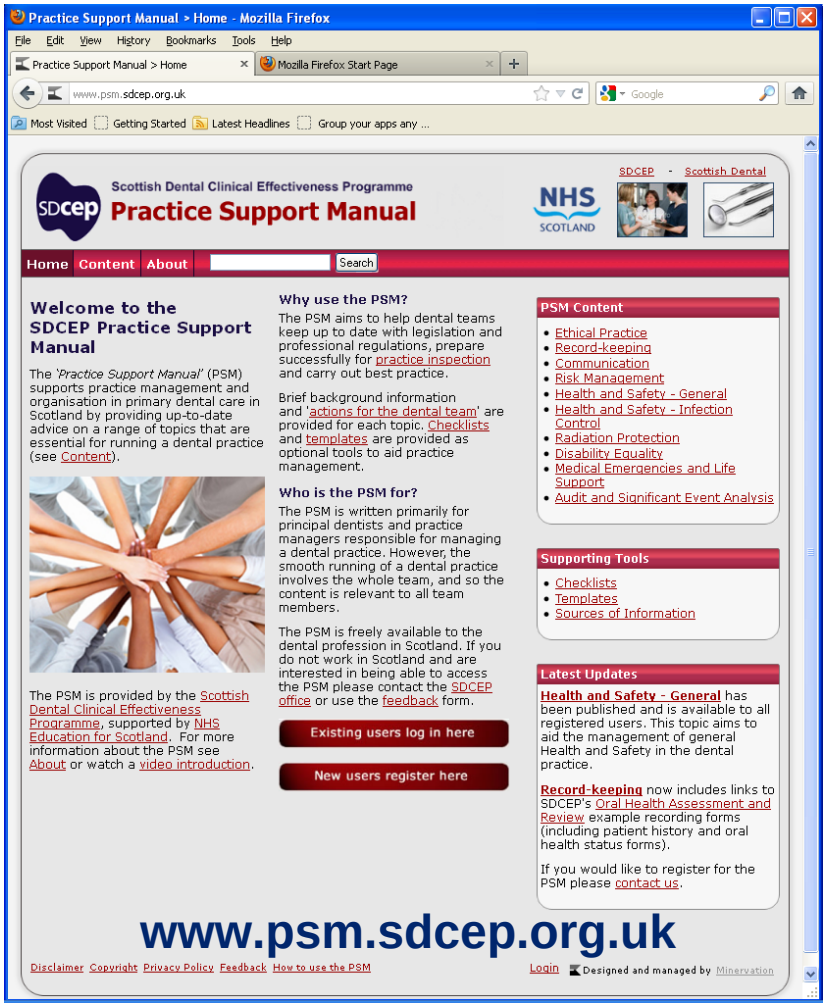


★★★★★ iPhone app

Practice Support Manual

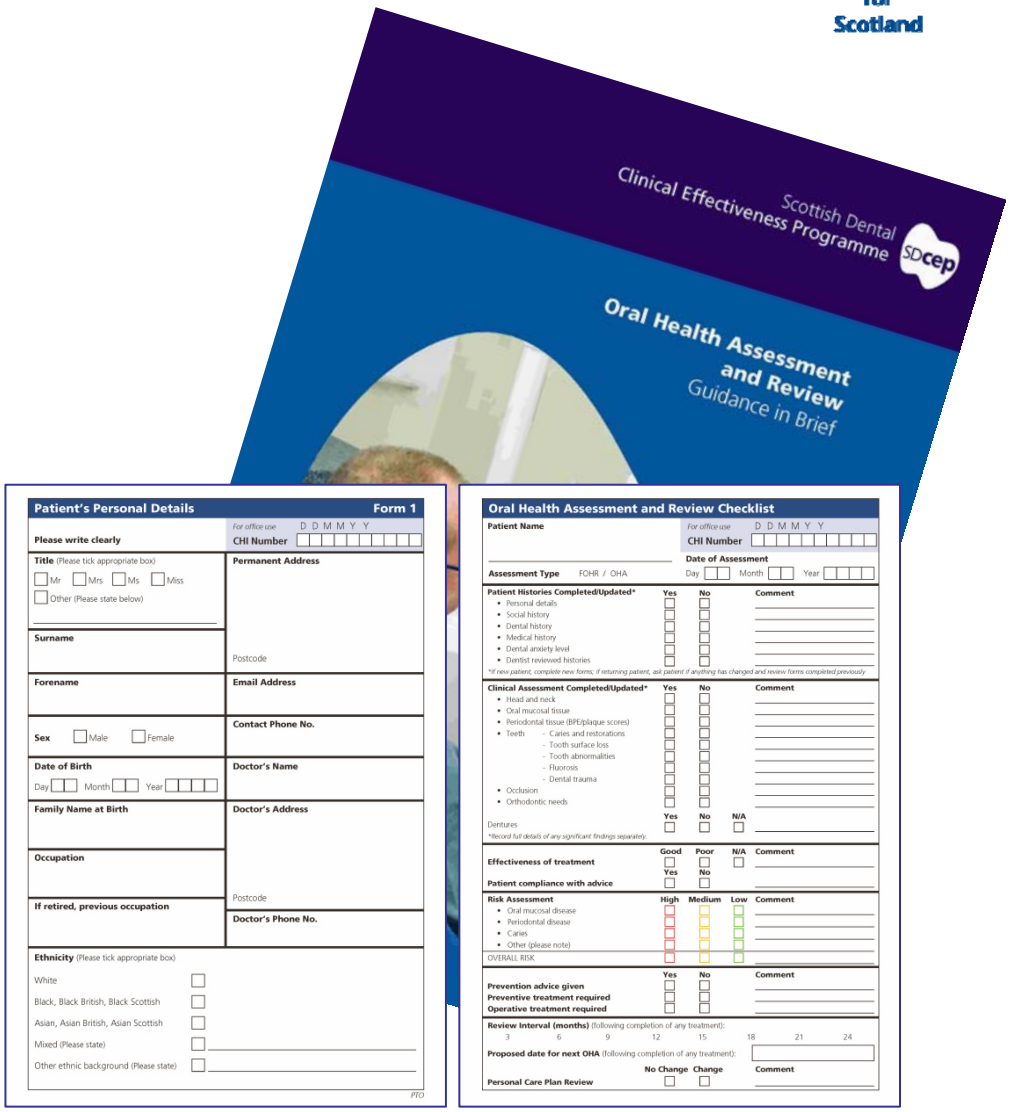
- Ethical Practice
- Record-keeping
- Communication
- Risk Management
- Health and Safety
- Radiation Protection
- Disability Equality
- Medical Emergencies and Life Support
- Audit and Significant Event Analysis

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



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

IMPLEMENTATION SCIENCE

STUDY PROTOCOL Open Access

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

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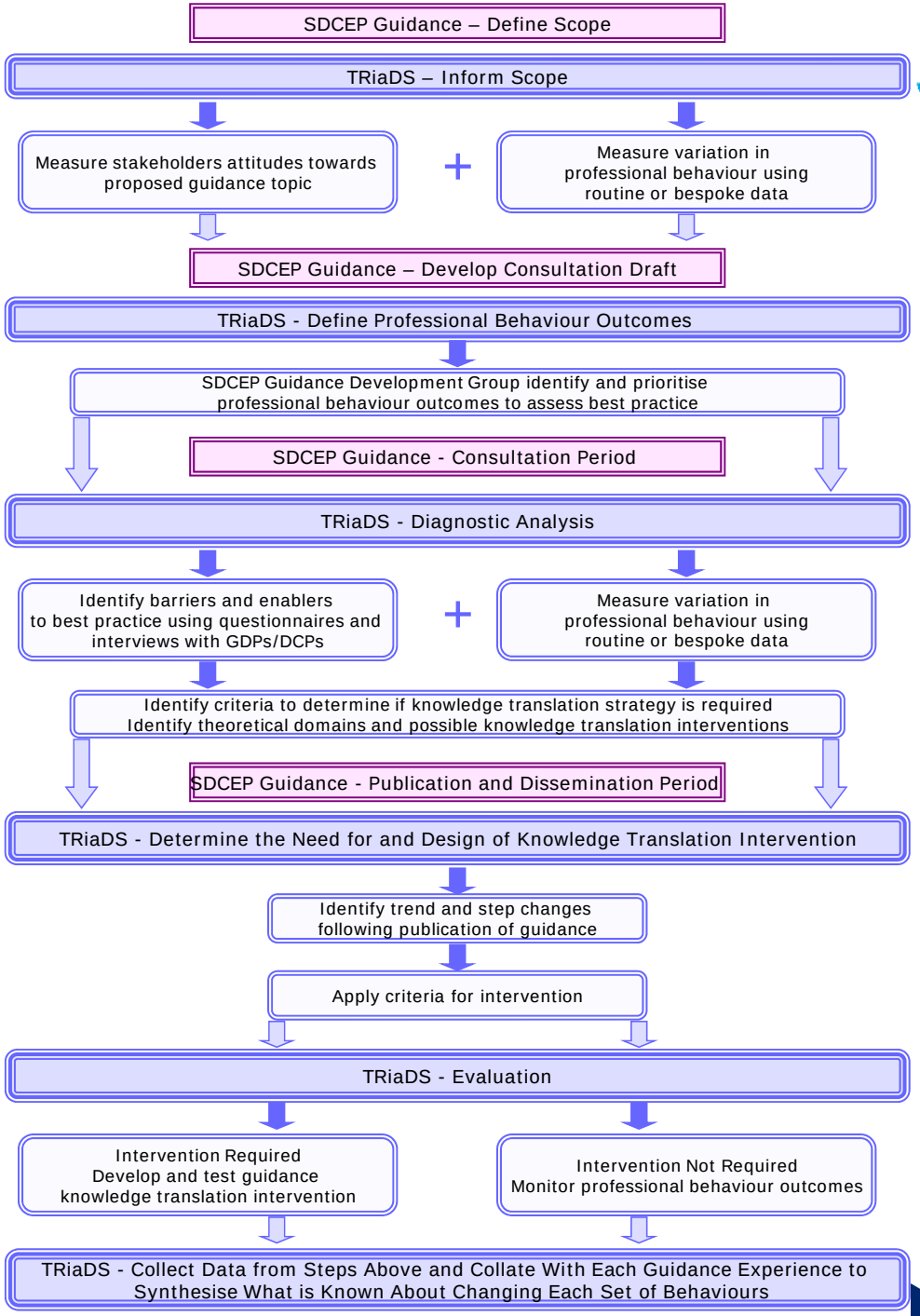
The TRiaDS Framework

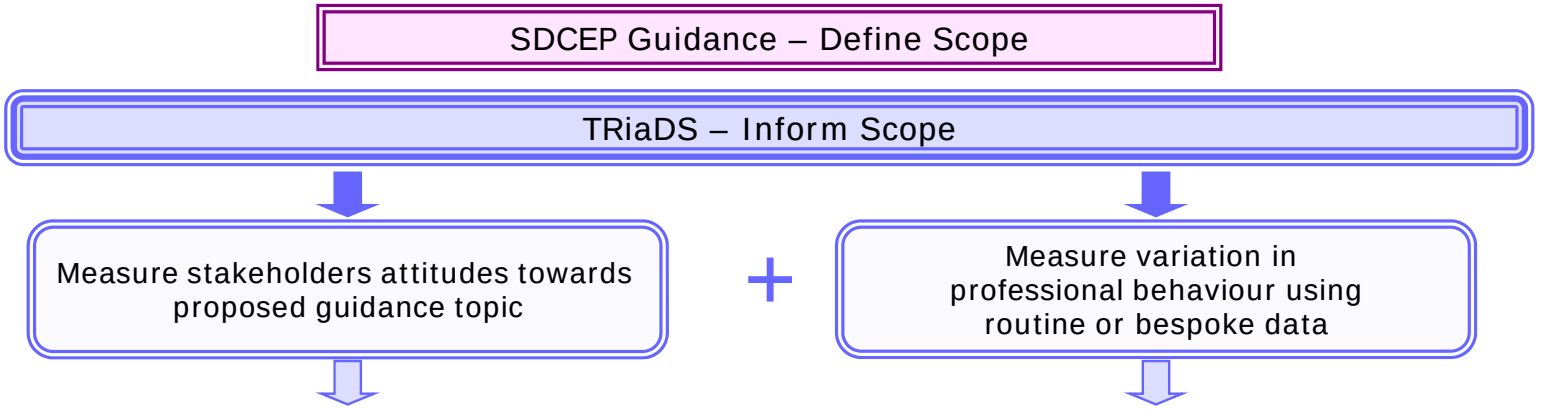
A standardised process to:

- 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

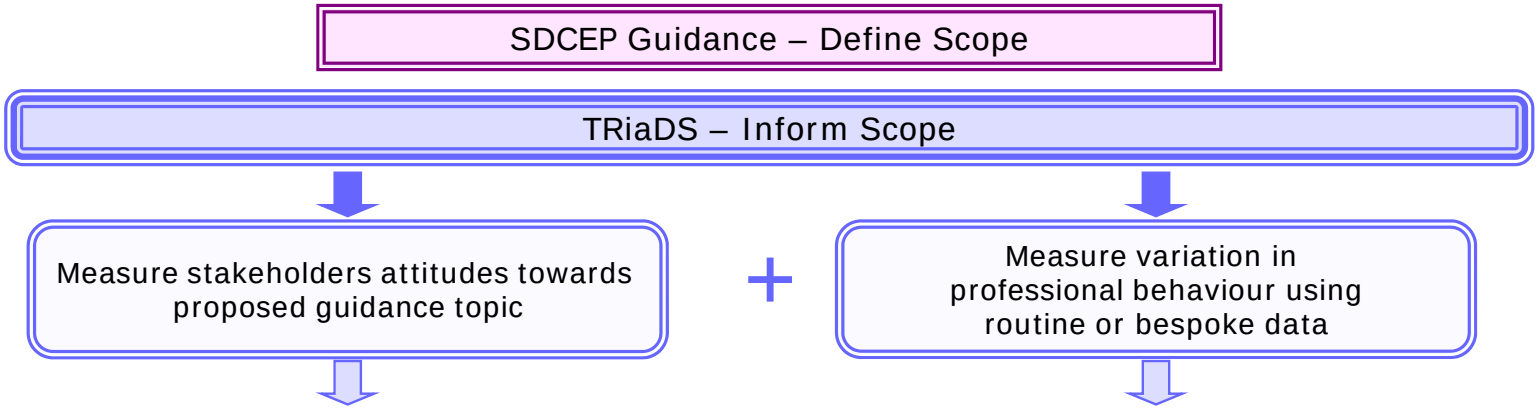


Example 1: **Management of Acute Dental Problems**

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

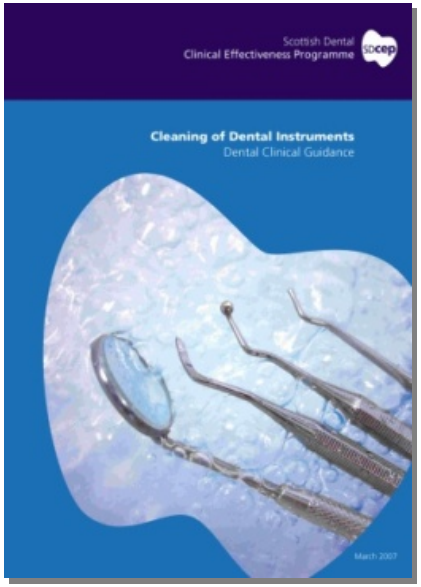
SDCEP Guidance – Develop Consultation Draft

TRiaDS - Define Professional Behaviour Outcomes

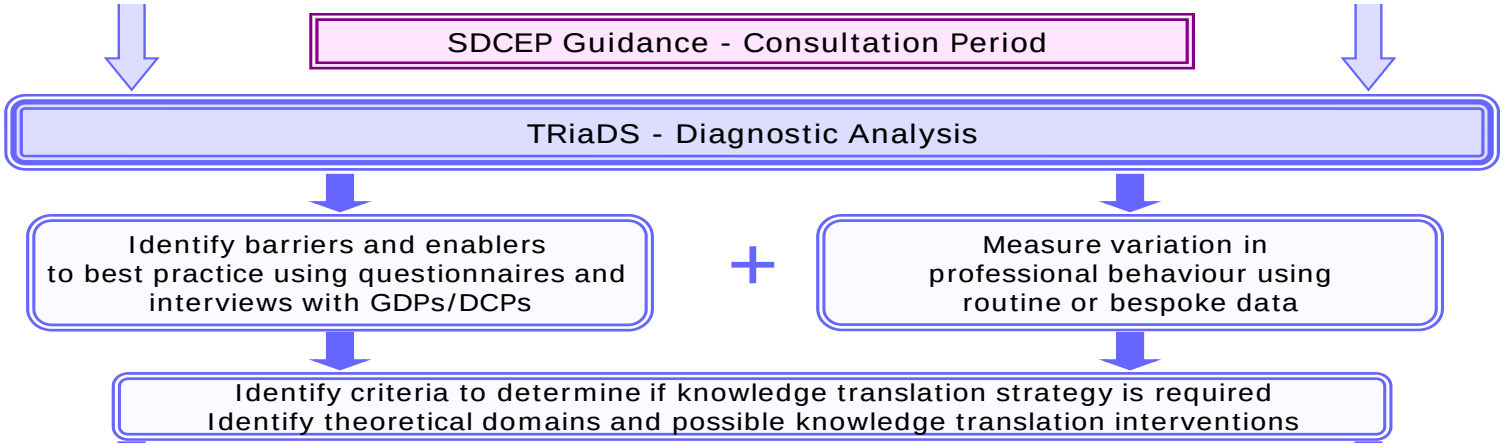
SDCEP Guidance Development Group identify and prioritise professional behaviour outcomes to assess best practice

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



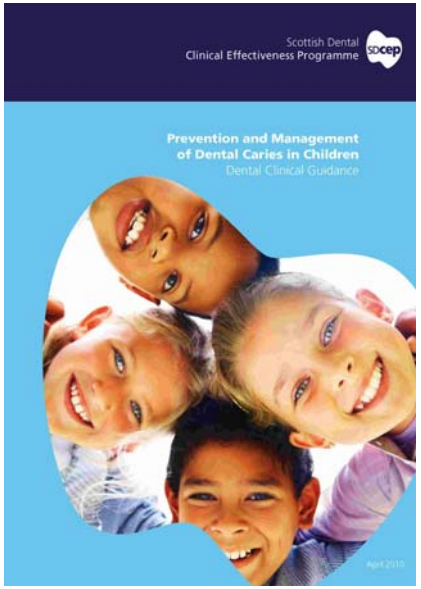
Diagnostic Analysis



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

SDCEP Guidance Topic	Inform Scope	Define Professional Behaviour Outcomes	Diagnostic Analysis	KT Intervention Decision	Evaluation
Decontamination I – Instrument Cleaning		X	X	X	X
Emergency Dental Care		X	X	X	
Drug Prescribing		X	X	X	X
Caries Prevention and Management in Children		X	X		
Practice Support Manual		X	X	X	
Oral Health Assessment		X	X	X	X
Decontamination II – Instrument Sterilization		X	X		
Bisphosphonates	X	X	X	X	
Management of Acute Dental Problems	X	X			
Decontamination III – Management	X	X			
Periodontal Management	X				

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

www.sdcep.org.uk