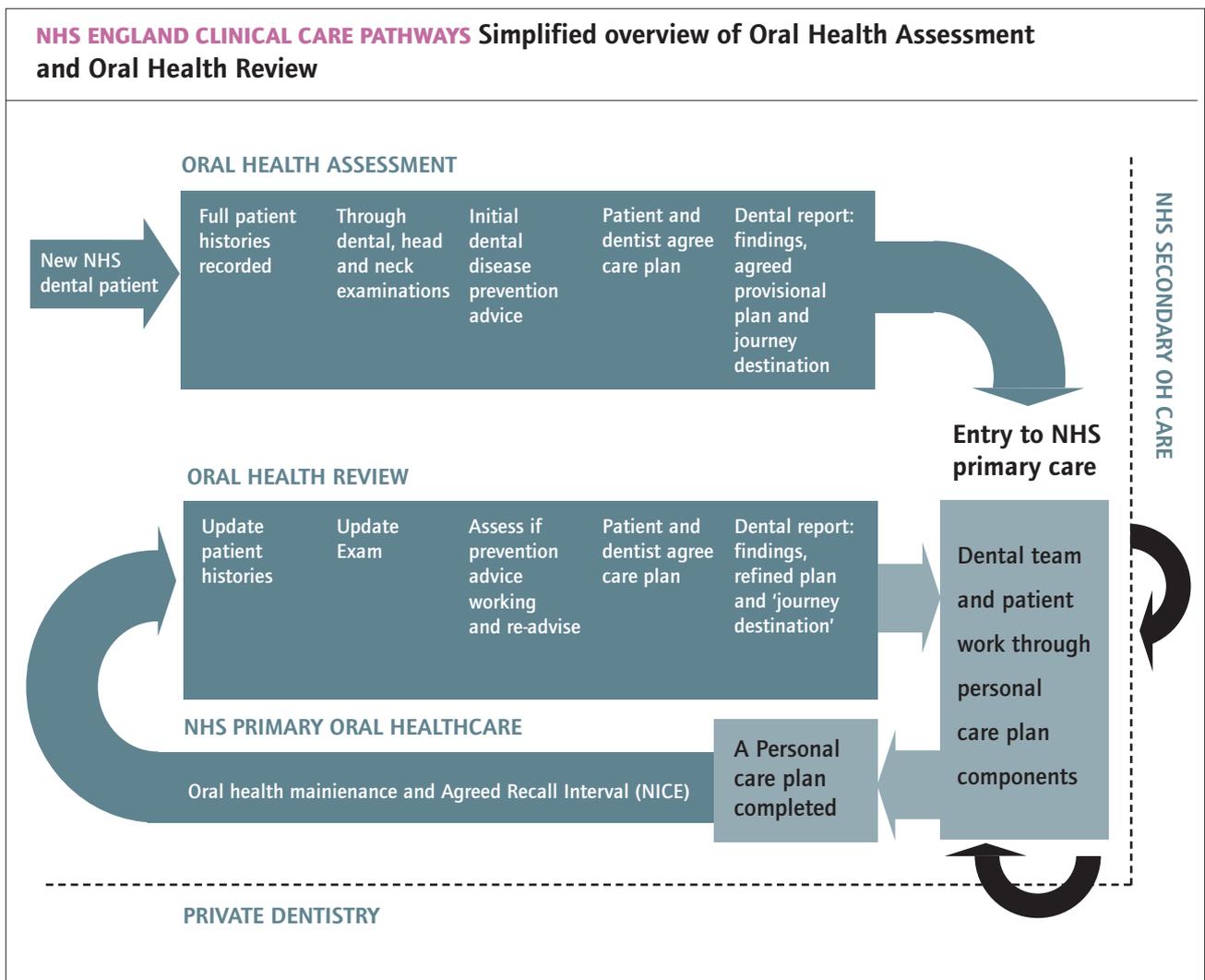


Appendix A – NHS England clinical care pathways: overview of oral health assessment and oral health review



Appendix B – Questions addressed by the guideline

Dental Caries

- 1) How long does it take for caries to progress from clinically detectable enamel lesion to dentine involvement?

This question to be considered in relation to:

- a) Primary and permanent teeth
 - b) Site of caries:
 - > Pits and fissures
 - > Free smooth surfaces
 - > Approximal surfaces
 - > Secondary caries
- 2) How long does it take for caries to progress from clinically detectable enamel lesion to pulpal involvement and inflammation?
 - 3) How long does it take for caries to progress through root surface dentine to the pulp?
 - 4) What factors influence/modify the rate of progression of dental caries?
 - 5) What is the accuracy* of the basic diagnostic methods (visual examination, visual examination with explorer, radiographs) used by clinicians for detecting carious lesions in primary and permanent teeth? (enamel lesions, lesions involving dentine [cavitated and non-cavitated], root caries lesions).
 - 6) At what point can lesion progression no longer be arrested or reversed?

- 7) What are the predictive validities of currently available caries risk assessment strategies in primary and permanent teeth?
- 8) What clinical and socio-demographic variables are the most accurate predictors of future caries development in children and adults?
- 9) What factors influence the longevity (survival rate) in primary care of dental restorations in children and adults?

Periodontal Disease

- 10) What is the rate of progression of treated and untreated chronic periodontitis?
- 11) What factors influence an individual's susceptibility for the development of severe periodontal disease?
- 12) What is the impact of gingivitis on:
 - > quality of life
 - > oral diseases
 - > restorations

Mucosal Disease

- 13) What is the incidence and prevalence of oral cancer and potentially malignant conditions in the UK? (leukoplakia, erythroplakia, lichen planus, oral submucous fibrosis, actinic keratosis)
- 14) What factors influence an individual's risk of developing oral cancer?

*measured in terms of sensitivity, specificity, positive and negative predictive values

- 15) What is the rate of malignant transformation and regression of:
- > Leukoplakia
 - > Erythroplakia
 - > Lichen planus
 - > Oral submucous fibrosis
 - > Actinic keratosis
- 16) What is the accuracy of clinical oral examinations in detecting oral cancer and precancerous lesions?
- 17) Does the detection of oral cancerous lesions at a stage when they are 2cm or smaller in diameter improve prognosis when compared with lesions that are detected when they are greater than 2cm in diameter?

Advice and Preventive Measures

- 18) How effective is 'chairside' oral health promotion and dental health education in:
- > Reducing levels of dental caries
 - > Controlling initial carious lesions (preventive management of dental caries)
 - > Improving periodontal health
 - > Promoting dietary change
 - > Promoting change in oral health related knowledge, attitudes and behaviours
 - > Promoting smoking cessation
- 19) Does the effectiveness of this advice vary according to differing intervals of delivery?

Patient views and expectations

- 20) How satisfied are patients in England and Wales with their NHS dental service?
- 21) What factors influence why and with what frequency patients see their dentist?
- 22) How frequently do patients registered with NHS dentists attend for dental check-ups?

Appendix C – HTA Update

Literature Searches

Medline (Ovid) 2001 to July 2003

- 1 (dent\$ adj6 (check\$ or attend\$ or exam\$ or recall\$ or visit\$ or regular\$ or interval\$ or frequen\$)).tw.
- 2 (recall\$ adj6 interval\$).tw.
- 3 Oral Health/
- 4 exp Dental Care/
- 5 Time factors/
- 6 (dental or dentistry).mp.
- 7 5 and 6
- 8 or/1-4,7
- 9 Preventive Dentistry/
- 10 exp Oral Hygiene/
- 11 or/9-10
- 12 exp Mouth Diseases/
- 13 exp Tooth Diseases/
- 14 or/12-13
- 15 11 and 14
- 16 exp Mouth Diseases/pc [Prevention & Control]
- 17 exp Tooth Diseases/pc [Prevention & Control]
- 18 or/15-17
- 19 (Meta-analysis/ or Meta analys\$.tw. or Metaanaly\$.tw. or meta-analy\$.tw. or Meta analysis.pt. or (systematic adj (review\$ 1 or overview\$ 1)).tw. or exp Review, literature/ or (cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or cinhal or science citation index or bids or cancerlit or reference lists or bibliograph\$ or hand-search\$ or manual search\$ or relevant journals or data extraction or selection criteria).ab. or review.pt.) not ((Animal/ not (Animal/ and Human/)) or (letter or editorial or comment).pt.)
- 20 randomized controlled trial.pt. or randomized controlled trials/ or random allocation/ or double blind method/ or single blind method/ or clinical trial.pt. or exp clinical trials/ or (clin\$ adj25 trial\$).tw. or ((single\$ or doubl\$ or trebl\$ or tripl\$) adj25 (blind\$ or mask\$)).tw. or placebos/ or placebo\$.tw. or random\$.tw. or research design/) not (Animal/ not (Animal/ and Human/))
- 21 (Epidemiologic studies/ or exp case control studies/ or exp cohort studies/ or Case control.tw. or (cohort adj (study or studies)).tw. or Cohort analy\$.tw. or (Follow up adj (study or studies)).tw. or (observational adj (study or studies)).tw. or Longitudinal.tw. or Retrospective.tw. or Cross sectional.tw. or Cross-sectional studies/) not (Animal/ not (Animal/ and Human/))
- 22 economics/ or "costs and cost analysis"/ or cost allocation/ or cost-benefit analysis/ or cost control/ or cost savings/ or cost of illness/ or cost sharing/ or "deductibles and coinsurance"/ or medical savings accounts/ or health care costs/ or direct service costs/ or drug costs/ or employer health costs/ or hospital costs/ or health expenditures/ or capital expenditures/ or value of life/ or exp economics, hospital/ or exp economics, medical/ or economics, nursing/ or economics, pharmaceutical/ or exp "fees and charges"/ or exp budgets/ or ((low or high or unit or health?care) adj cost\$).mp. or (fiscal or funding or financial or finance).tw. or

(cost adj (estimat\$ or variable or utilit\$ or containment\$ or minimi\$)).tw. or (economic\$ or pharmaco-economic\$ or price\$ or pricing).tw. or Quality-Adjusted Life Years/ or (QALY\$ or life-year\$ or cost-effectiv\$ or cost-effectiv\$ or benefit-cost\$ or cost-benefit\$ or cost-benefit\$).tw. or health economi\$.tw. or ec.fs. or (economic\$ adj20 (evaluation\$ or analys\$)).tw.

23 (8 or 18) and 19

24 (8 or 18) and 20

25 (8 or 18) and 21

26 (8 or 18) and 22

Embase (Ovid) 2001 to July 2003

1 (dent\$ adj6 (check\$ or attend\$ or exam\$ or recall\$ or visit\$ or regular\$ or interval\$ or frequen\$)).tw.

2 (recall\$ adj6 interval\$).tw.

3 Dental Health/

4 Dental Care/

5 Time/

6 dent\$.mp.

7 5 and 6

8 or/1-4,7

9 Preventive Dentistry/

10 Caries Prevention/

11 Mouth Hygiene/

12 Tooth Brushing/

13 or/9-12

14 exp Mouth Disease/

15 13 and 14

16 exp Mouth Disease/pc [Prevention]

17 or/15-16

18 (exp Meta-Analysis/ or meta analy\$.tw. or metaanaly\$.tw. or meta-analy\$.tw. or (systematic adj (review\$1 or overview\$1)).tw. or (cochrane or embase or psychlit or psyclit or psychinfo or psycinfo or cinahl or cinhal or science citation index or bids or cancerlit or reference lists or bibliograph\$ or hand-search\$ or manual search\$ or relevant journals or data extraction or selection criteria).ab. or review.pt.) not ((Animal/ not (Animal/ and Human/)) or (letter or editorial).pt.)

19 (Clinical trial/ or Randomized controlled trial/ or Randomization/ or Single blind procedure/ or Double blind procedure/ or Crossover procedure/ or (Randomi?ed controlled trial\$ or rct or random allocation or randomly allocated or allocated randomly or (allocated adj2 random) or single blind\$ or double blind\$ or ((treble or triple) adj blind\$) or placebo\$).tw. or Prospective study/) not (Case study/ or Case report.tw. or Abstract report/ or letter/)

20 (cohort analysis/ or longitudinal study/ or prospective study/ or follow up/ or risk/ or risk assessment/ or risk benefit analysis/ or risk factor/ or ((odds and ratio\$) or (relative and risk) or (case and control\$)).tw. or case control study/) not (Animal/ not (Animal/ and Human/))

21 Socioeconomics/ or Cost benefit analysis/ or Cost effectiveness analysis/ or Cost of illness/ or Cost control/ or Economic aspect/ or Financial management/ or Health care cost/ or Health care financing/ or Health economics/ or Hospital cost/ or (fiscal or financial or finance or funding).tw. or Cost minimization analysis/ or (cost adj estimate\$).mp. or (cost adj variable\$).mp. or (unit adj cost\$).mp. or (QALY\$ or life-year\$ or cost-effective\$ or benefit-cost\$ or cost-benefit\$).mp.

22 (8 or 17) and 18

23 (8 or 17) and 19

24 (8 or 17) and 20

25 (8 or 21) and 21

The Cochrane Library 2001 to Issue 3 2003

- 1 dent* near check*
- 2 dent* near attend*
- 3 dent* near exam*
- 4 dent* near recall*
- 5 dent* near visit*
- 6 dent* near regular*
- 7 dent* near interval*
- 8 dent near frequen*
- 9 recall near interval*