

# Northumbria Research Link

Citation: Holmes, Richard, Steele, Jimmy, Exley, Catherine, Vernazza, Christopher and Donaldson, Cam (2018) Use of programme budgeting and marginal analysis to set priorities for local NHS dental services: learning from the north east of England. *Journal of Public Health*, 40 (4). e578-e585. ISSN 1741-3842

Published by: Oxford University Press

URL: <http://dx.doi.org/10.1093/pubmed/fdy075>  
<<http://dx.doi.org/10.1093/pubmed/fdy075>>

This version was downloaded from Northumbria Research Link:  
<http://nrl.northumbria.ac.uk/id/eprint/34270/>

Northumbria University has developed Northumbria Research Link (NRL) to enable users to access the University's research output. Copyright © and moral rights for items on NRL are retained by the individual author(s) and/or other copyright owners. Single copies of full items can be reproduced, displayed or performed, and given to third parties in any format or medium for personal research or study, educational, or not-for-profit purposes without prior permission or charge, provided the authors, title and full bibliographic details are given, as well as a hyperlink and/or URL to the original metadata page. The content must not be changed in any way. Full items must not be sold commercially in any format or medium without formal permission of the copyright holder. The full policy is available online: <http://nrl.northumbria.ac.uk/policies.html>

This document may differ from the final, published version of the research and has been made available online in accordance with publisher policies. To read and/or cite from the published version of the research, please visit the publisher's website (a subscription may be required.)

**Supplementary Information – File 1.** Generic prioritisation criteria approved by the NHS commissioning organisation.

Headline criteria	Sub-Criteria
Quality	Clinical effectiveness Patient pathway Workforce Quality of Life Safety Patient experience Governance
Access	Reducing inequalities
Value for Money	Feasibility Cost Cost-effectiveness Productivity Efficiency Innovation Acceptability
National & Local Priorities	National priorities Local priorities
Partnership Working	Partnership working

NHS \*Redacted\* Prioritisation Criteria

## ‘Main Headline Criteria’ Voting Form

### Instructions:

- On this page you have **100 points** to spend and you must spend all of the 100 points in the table below.
- Please place a number (reflecting the number of points you wish to allocate) against each headline criterion below.
- The more points you allocate to a specific box, the more importance you are placing upon that specific criterion in the context of **dental** decision-making by local NHS commissioners.
- For basic information on what we mean by the term ‘Quality’ etc, please refer to the pink sheet which contains the large double-sided table entitled ‘NHS \*Redacted\* Local Prioritisation Criteria’.

(\*Please note: *The order of presentation of the criteria/sub criteria in each table has no significance. The order simply mirrors the sequence shown in the ‘master’ table, shown on the last page of this questionnaire booklet*).

Headline Criteria	Number of Points
Quality	
Access	
Value for money	
National and local priorities	
Partnership working	
<b>Total Points</b>	<b>= 100</b>

Unique  
Participant  
Identifier:  
**P**

**NHS \*Redacted\* Prioritisation Criteria**

## **‘Quality’ Voting Form**

**Instructions:**

- On this page you have **80 points** to spend and you must spend all of the 80 points in the table below. Please place a number (reflecting the number of points you wish to allocate) against each sub criterion below.
- The more points you allocate to a specific box, the more importance you are placing upon that specific criterion in the context of **dental** decision-making by local NHS commissioners.
- For basic information on what we mean by each term (e.g. Clinical effectiveness), please refer to the pink sheet which contains the large double-sided table entitled ‘NHS Local \*Redacted\* Prioritisation Criteria’.

<b>Sub criteria</b>	<b>Number of Points</b>
Clinical effectiveness	
Patient pathway	
Workforce	
Quality of life	
Safety	
Patient experience	
Patient centred	
Governance	
<b>Total Points</b>	<b>= 80</b>

Unique  
Participant  
Identifier:  
**P**

## NHS \*Redacted\* Prioritisation Criteria

# ‘Value for money’ Voting Form

### Instructions:

- On this page you have **70 points** to spend and you must spend all of the 70 points in the table below. Please place a number (reflecting the number of points you wish to allocate) against each sub criterion below.
- The more points you allocate to a specific box, the more importance you are placing upon that specific criterion in the context of **dental** decision-making by local NHS commissioners.
- For basic information on what we mean by each term (e.g. Feasibility), please refer to the pink sheet which contains the large double-sided table entitled ‘NHS \*Redacted\* Local Prioritisation Criteria’.

Sub criteria	Number of Points
Feasibility	
Cost	
Cost effectiveness	
Productivity	
Efficiency	
Innovation	
Acceptability	
<b>Total Points</b>	<b>= 70</b>

*Please turn over >*

Unique  
Participant  
Identifier:  
**P**

## NHS \*Redacted\* Prioritisation Criteria

# ‘National and local priorities’ Voting Form

### Instructions:

- On this page you have **20 points** to spend and you must spend all of the 20 points in the table below. Please place a number (reflecting the number of points you wish to allocate) against each sub criterion below.
- The more points you allocate to a specific box, the more importance you are placing upon that specific criterion in the context of **dental** decision-making by local NHS commissioners.
- For basic information on what we mean by each term, please refer to the pink sheet which contains the large double-sided table entitled ‘NHS \*Redacted\* Local Prioritisation Criteria’.

Sub criteria	Number of Points
National priorities	
Local priorities	
<b>Total points</b> =	<b>20</b>

---

**Thank you for your assistance!**

**Please place the entire stapled questionnaire into the reply-paid envelope and return it to the Principal Investigator as soon as possible.**

**\*Redacted\***

## Prioritisation Criteria

Headline criteria	Sub criteria	Question
<b>Quality</b>	<b>Clinical effectiveness</b>	Demonstrate that this intervention will deliver actual health benefit.
		Demonstrate that this intervention will deliver positive outcomes.
		Demonstrate that this initiative is the most appropriate solution.
	<b>Patient pathway</b>	Demonstrate that this initiative fits into the pathway.
		Demonstrate that this initiative contributes to providing care as close to home as possible.
		Demonstrate that this initiative will meet people's needs in a timely manner.
	<b>Workforce</b>	Demonstrate that this initiative will have appropriately skilled and competent staffing.
	<b>Quality of life</b>	Demonstrate that this initiative contributes towards self efficacy.
		Demonstrate that this initiative will impact upon quality of life.
	<b>Safety</b>	Demonstrate that this initiative ensures the safety of patients and staff.
		Demonstrate that this initiative meets the appropriate standards.
	<b>Patient experience</b>	Demonstrate that this initiative will improve patient/carer satisfaction.
		Demonstrate that this initiative will ensure people are treated with dignity and respect.
	<b>Patient centred</b>	Demonstrate what this initiative will respond to individual needs.
		Demonstrate that this initiative adds value for patients.
	<b>Governance</b>	Demonstrate that this initiative will achieve good governance.
<b>Access</b>	<b>Reducing inequalities</b>	Demonstrate that this initiative will provide equal access for all those people who need it.
		Demonstrate that this initiative will inclusively cater for the needs of our diverse population.
		Demonstrate that this initiative will provide information which is accessible to everyone within the population who needs it.
<b>Value for money</b>	<b>Feasibility</b>	Demonstrate that this initiative is do-able.
		Demonstrate that this initiative will be able to recruit appropriate staff.
		Demonstrate that this initiative has realistic timescales.
		Demonstrate that this initiative will be housed in appropriate

**Table continues over page >**



		facilities.
		Demonstrate that this initiative has opening times which meet the needs of users.
		Demonstrate that this initiative is economically sustainable.
	<b>Cost</b>	Demonstrate that this initiative is affordable in terms of its total cost to the healthcare system.
		Demonstrate that this initiative is affordable over the lifetime of the initiative.
		Demonstrate that this initiative is affordable within existing resources.
	<b>Cost effectiveness</b>	Demonstrate that this initiative is the most cost effective solution to achieve the goal.
		Demonstrate that this initiative will contribute to a reduction in expenditure in the long term.
	<b>Productivity</b>	Demonstrate that this initiative will ensure good productivity.
	<b>Efficiency</b>	Demonstrate this initiative will minimise waste.
	<b>Innovation</b>	Demonstrate that this initiative is innovative.
	<b>Acceptability</b>	Demonstrate that this initiative is acceptable to staff, patients and members of the public.
<b>National and local priorities</b>	<b>National priorities</b>	Demonstrate this initiative will contribute to reducing health inequalities.
		Demonstrate this initiative will contribute to increasing life expectancy at birth.
	<b>Local priorities</b>	Demonstrate this initiative contributes to the remaining top ten health outcomes.
<b>Partnership working</b>	<b>Partnership working</b>	Demonstrate this initiative aligns with external partners' plans and strategies.
		Demonstrate that this initiative has been developed in collaboration with external partners.

(Source: D Barnetson. See manuscript Acknowledgement - with permission)



**Supplementary Data - File 3** Mean benefit scores per stakeholder group.

	<i>Quality</i>	<i>Access</i>	<i>Value for Money</i>	<i>National &amp; Local Priorities</i>	<i>Partnership Working</i>
Dentists	32	22	24	12	10
Commissioners	23.57	26.43	23.57	17.86	8.57
Patients - (NHS LINK)	34.29	20	20	12.14	13.57
Patients - (Voice North)	37.00	24.00	21.00	10.50	7.50
Mean	31.72	23.11	22.14	13.13	9.91