



University of **HUDDERSFIELD**

University of Huddersfield Repository

Jones, Hannah, Adams, Clive, Simpson, Jayne, Clifton, Andrew, Callaghan, Patrick and Liddle, Peter

The three shires early intervention dental trial: a real world cluster randomised controlled trial

Original Citation

Jones, Hannah, Adams, Clive, Simpson, Jayne, Clifton, Andrew, Callaghan, Patrick and Liddle, Peter (2012) The three shires early intervention dental trial: a real world cluster randomised controlled trial. Cochrane.org.

This version is available at <http://eprints.hud.ac.uk/id/eprint/16814/>

The University Repository is a digital collection of the research output of the University, available on Open Access. Copyright and Moral Rights for the items on this site are retained by the individual author and/or other copyright owners. Users may access full items free of charge; copies of full text items generally 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 is credited in any copy;
- A hyperlink and/or URL is included for the original metadata page; and
- The content is not changed in any way.

For more information, including our policy and submission procedure, please contact the Repository Team at: E.mailbox@hud.ac.uk.

<http://eprints.hud.ac.uk/>



The three shires early intervention dental trial: a real world cluster randomised controlled trial

ISRCTN63382258

Hannah Jones^{1,2}, Clive Adams², Jayne Simpson¹, Andrew Clifton³,
Patrick Callaghan⁴, Peter Liddle⁵

¹CLAHRC-NDL, University of Nottingham. ²Cochrane Schizophrenia Group, University of Nottingham. ³School of Health, Community & Education Studies, Northumbria University
⁴School of Nursing, Midwifery & Physiotherapy, University of Nottingham. ⁵School of Community Health Sciences, University of Nottingham.

BACKGROUND

People with serious mental illness are more likely to experience oral disease and have greater oral treatment needs than the general population^{1,2}. Some suggestions for this include the side effects of medication, experiencing barriers to treatment, and that dental problems are not well recognised by mental health professionals or are not seen as a priority^{3,4}.

Poor oral health has a serious impact on quality of life, everyday functioning, social inclusion and self-esteem.

AIMS

To see whether staff dental awareness training + a simple one page dental checklist can improve the oral health of people with a serious mental illness in Nottinghamshire Derbyshire and Lincolnshire Early Intervention in Psychosis (EIP) teams by 1 year.

METHODS

The intervention and methods were designed after considerable consultation with all relevant stakeholders – clinicians, managers, commissioners and service users.

All EIP teams in Nottinghamshire, Derbyshire and Lincolnshire have been invited to be involved in the trial. Half will be allocated to receive the intervention and half will be allocated to the control.

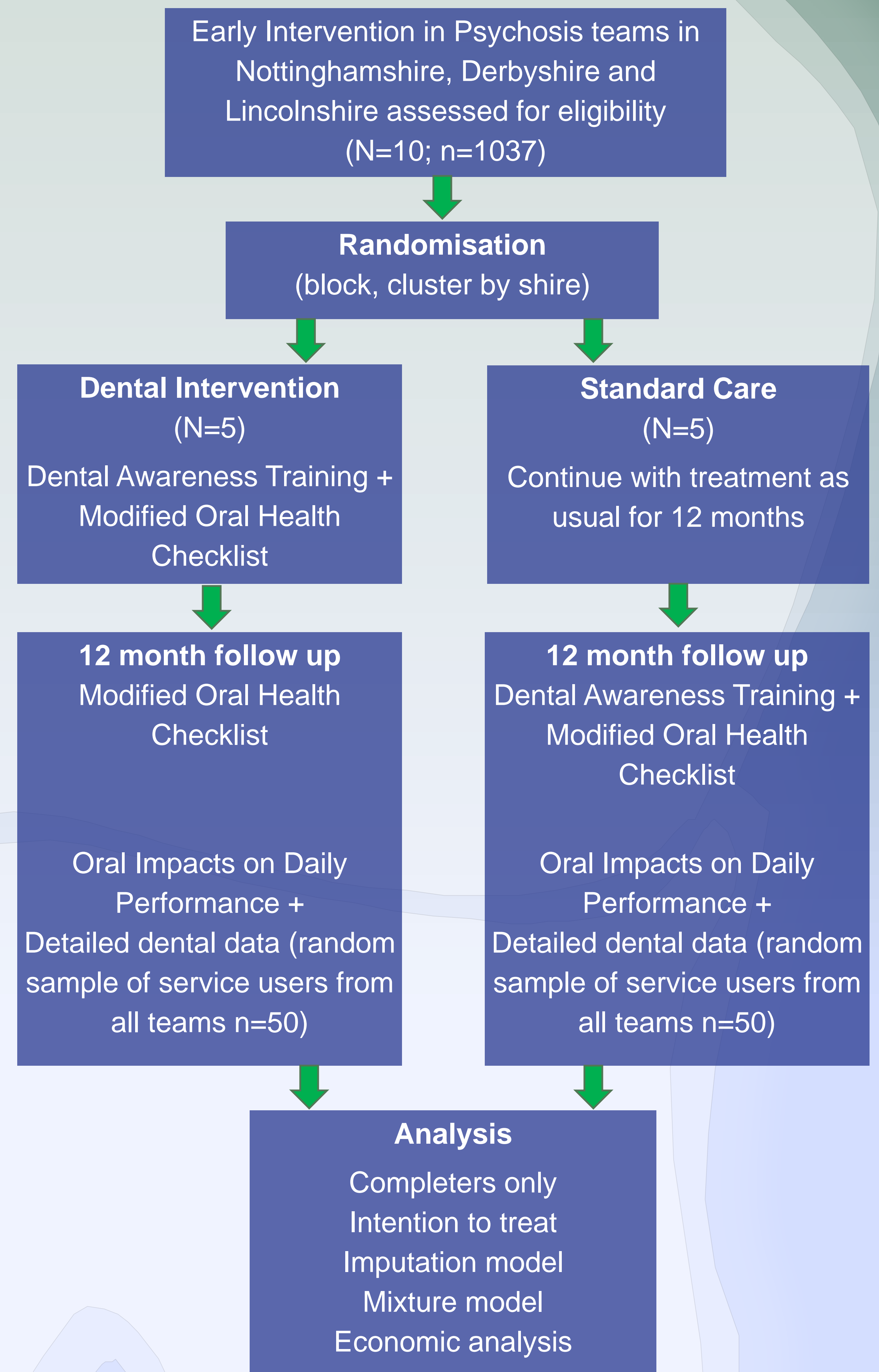
Intervention teams will receive a one-off 30-minute dental awareness training session and be asked to use the checklist (see illustration) at the start of the trial and again 12 months later.

Control teams will continue to deliver standard care for 12 months and then will also receive the dental awareness training session and will be asked to use the checklist.

TABLE1: TRIAL DESIGN

Design	Cluster randomised controlled trial
Setting	Early Intervention in Psychosis teams in Nottinghamshire, Derbyshire and Lincolnshire
Duration	12 months
Participants	Early Intervention in Psychosis teams, all care coordinators and all service users in the teams
Intervention	Staff dental awareness training + dental checklist for service users vs. standard care
Outcomes	<p>Primary outcomes</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> Registered with a dentist<input checked="" type="checkbox"/> Visited a dentist within the last 12 months<input checked="" type="checkbox"/> Routine check up within last 12 months<input checked="" type="checkbox"/> Owning a toothbrush<input checked="" type="checkbox"/> Cleaning teeth twice a day <p>Secondary outcomes</p> <ul style="list-style-type: none"><input checked="" type="checkbox"/> Lost to follow up<input checked="" type="checkbox"/> Refusing to participate in follow up<input checked="" type="checkbox"/> Refusing OIDP follow up<input checked="" type="checkbox"/> Non-routine visit to dentist within last 12 months<input checked="" type="checkbox"/> Replacing existing toothbrush within last six months<input checked="" type="checkbox"/> Problems with mouth and teeth<input checked="" type="checkbox"/> Oral Impacts on Daily Performance – overall score (mean, SD)<input checked="" type="checkbox"/> At least fairly severe functional difficulty on regular basis

FIGURE 1: TRIAL PROCESS



PROGRESS

In February 2012 the 10 early intervention in psychosis teams caring for a total of 1037 people were randomised based on information about location, number of care co-ordinators, number of service users and distance to a dental practice.

REFERENCES

1. British Society for Disability and Oral Health (BSDH). Oral health care for people with mental health problems guideline and recommendations. Report of BSDH Working Group 2000.
2. Stiefel DJ, Truelove EL, Menard TW, Anderson VK, Doyle PE, Mandel LS. A comparison of the oral health of persons with and without chronic mental illness in community settings. *Special Care in Dentistry* 1990;10(1):6-12.
3. Cormac I, Jenkins P. Understanding the importance of oral health in psychiatric patients. *Advances in Psychiatric Treatment* 1999;5:53-60
4. Friedlander AH, Marder SR. The psychopathology, medical management and dental implications of schizophrenia. *Journal of the American Dental Association* 2002;113:603-10.

ACKNOWLEDGEMENTS

This poster presents independent research commissioned by the National Institute for Health research (NIHR). The views expressed in this poster are those of the author(s) and not necessarily those of the NHS, the NIHR or the Department of Health.

Hannah Jones is completing a PhD that is based on the Dental Trial at the University of Nottingham, funded by CLAHRC-NDL, supervised by Professor Clive Adams.

