## The effectiveness of the Older prisoner Health and Social Care Assessment and Plan (OHSCAP): a randomised controlled trial

Katrina Forsyth,<sup>1</sup> Laura Archer-Power,<sup>1</sup> Jane Senior,<sup>1</sup>\* Rachel Meacock,<sup>2</sup> Roger Webb,<sup>3</sup> Richard Emsley,<sup>4</sup> Dawn Edge,<sup>5</sup> Elizabeth Walsh,<sup>6</sup> Stuart Ware,<sup>7</sup> David Challis,<sup>8</sup> Adrian Hayes,<sup>9</sup> Kate O'Hara,<sup>10</sup> Alistair Burns<sup>11</sup> and Jenny Shaw<sup>1,12</sup>

**Declared competing interests of authors:** none

Published December 2017 DOI: 10.3310/hsdr05310

<sup>&</sup>lt;sup>1</sup>Offender Health Research Network, University of Manchester, Manchester, UK

<sup>&</sup>lt;sup>2</sup>Manchester Centre for Health Economics, University of Manchester, Manchester, UK

<sup>&</sup>lt;sup>3</sup>Centre for Mental Health and Safety, University of Manchester, Manchester, UK

<sup>&</sup>lt;sup>4</sup>Centre for Biostatistics, University of Manchester and Manchester Academic Health Science Centre, Manchester, UK

<sup>&</sup>lt;sup>5</sup>Division of Psychology and Mental Health, University of Manchester, Manchester, UK

<sup>&</sup>lt;sup>6</sup>Division of Psychology and Mental Health, University of Manchester, Manchester, UK

<sup>&</sup>lt;sup>7</sup>Restore Support Network, Bournemouth, UK

<sup>&</sup>lt;sup>8</sup>Personal Social Services Research Unit (PSSRU) and National Institute for Health Research (NIHR) School for Social Care Research, University of Manchester, Manchester, UK

<sup>&</sup>lt;sup>9</sup>Department of Psychiatry, University of Oxford and Oxford Health NHS Foundation Trust, Oxford, UK

<sup>&</sup>lt;sup>10</sup>An Garda Síochána, Dublin, Ireland

<sup>&</sup>lt;sup>11</sup>Division of Neuroscience and Experimental Psychology, University of Manchester, Manchester, UK

<sup>&</sup>lt;sup>12</sup>Greater Manchester West NHS Foundation Trust, Manchester, UK

<sup>\*</sup>Corresponding author Jane.Senior@manchester.ac.uk

# **Plain English summary**

OHSCAP: a randomised controlled trial

Health Services and Delivery Research 2017; Vol. 5: No. 31

DOI: 10.3310/hsdr05310

NIHR Journals Library www.journalslibrary.nihr.ac.uk

## **Plain English summary**

Older prisoners (aged  $\geq$  50 years) are the fastest growing subgroup in English prisons, and have complex health and social care needs.

In a previous study, prisoners and prison and health-care staff worked together to create an assessment and care planning tool designed to identify what help older prisoners needed to cope better with prison. The resulting Older prisoner Health and Social Care Assessment and Plan (OHSCAP), designed to be managed by either prison officers or health-care staff in collaboration with the individual prisoner, included help with ongoing health-care issues and everyday activities that might be affected by age, for example being able to move about the prison easily, use bathrooms and showers, and access suitable activities. In a small trial, the plan was found to be more successful than standard prison practices in identifying and dealing with older prisoners' needs.

Described in this report is a full-scale randomised controlled trial of the OHSCAP, which was completed across 10 English prisons. In total, 404 prisoners received either the OHSCAP or treatment as usual. We measured how well prisoners' needs were identified and whether or not those needs had reduced after 3 months. We also examined 150 OHSCAP documents to judge how required processes were followed. A total of 14 prisoners and 11 staff were interviewed about the process and whether or not they had found it useful. The costs of delivering the OHSCAP were calculated.

The OHSCAP did not make any difference to how well older prisoners' needs were met. Only 59.3% of identified needs became care plan items to be addressed. We found that most processes had not been carried out as planned, and everyone who was interviewed thought that prisons were currently struggling to offer individual care services such as these to address prisoners' needs. The intervention did not cost more than usual care.

## **Health Services and Delivery Research**

ISSN 2050-4349 (Print)

ISSN 2050-4357 (Online)

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics (COPE) (www.publicationethics.org/).

Editorial contact: journals.library@nihr.ac.uk

The full HS&DR archive is freely available to view online at www.journalslibrary.nihr.ac.uk/hsdr. Print-on-demand copies can be purchased from the report pages of the NIHR Journals Library website: www.journalslibrary.nihr.ac.uk

#### Criteria for inclusion in the Health Services and Delivery Research journal

Reports are published in *Health Services and Delivery Research* (HS&DR) if (1) they have resulted from work for the HS&DR programme or programmes which preceded the HS&DR programme, and (2) they are of a sufficiently high scientific quality as assessed by the reviewers and editors.

#### **HS&DR** programme

The Health Services and Delivery Research (HS&DR) programme, part of the National Institute for Health Research (NIHR), was established to fund a broad range of research. It combines the strengths and contributions of two previous NIHR research programmes: the Health Services Research (HSR) programme and the Service Delivery and Organisation (SDO) programme, which were merged in January 2012.

The HS&DR programme aims to produce rigorous and relevant evidence on the quality, access and organisation of health services including costs and outcomes, as well as research on implementation. The programme will enhance the strategic focus on research that matters to the NHS and is keen to support ambitious evaluative research to improve health services.

For more information about the HS&DR programme please visit the website: http://www.nets.nihr.ac.uk/programmes/hsdr

#### This report

The research reported in this issue of the journal was funded by the HS&DR programme or one of its preceding programmes as project number 12/5001/21. The contractual start date was in May 2013. The final report began editorial review in November 2016 and was accepted for publication in May 2017. The authors have been wholly responsible for all data collection, analysis and interpretation, and for writing up their work. The HS&DR editors and production house have tried to ensure the accuracy of the authors' report and would like to thank the reviewers for their constructive comments on the final report document. However, they do not accept liability for damages or losses arising from material published in this report.

This report presents independent research funded by the National Institute for Health Research (NIHR). The views and opinions expressed by authors in this publication are those of the authors and do not necessarily reflect those of the NHS, the NIHR, NETSCC, the HS&DR programme or the Department of Health. If there are verbatim quotations included in this publication the views and opinions expressed by the interviewees are those of the interviewees and do not necessarily reflect those of the authors, those of the NHS, the NIHR, NETSCC, the HS&DR programme or the Department of Health.

© Queen's Printer and Controller of HMSO 2017. This work was produced by Forsyth et al. under the terms of a commissioning contract issued by the Secretary of State for Health. This issue may be freely reproduced for the purposes of private research and study and extracts (or indeed, the full report) may be included in professional journals provided that suitable acknowledgement is made and the reproduction is not associated with any form of advertising. Applications for commercial reproduction should be addressed to: NIHR Journals Library, National Institute for Health Research, Evaluation, Trials and Studies Coordinating Centre, Alpha House, University of Southampton Science Park, Southampton SO16 7NS, UK.

Published by the NIHR Journals Library (www.journalslibrary.nihr.ac.uk), produced by Prepress Projects Ltd, Perth, Scotland (www.prepress-projects.co.uk).

### Health Services and Delivery Research Editor-in-Chief

Professor Jo Rycroft-Malone Professor of Health Services and Implementation Research, Bangor University, UK

### **NIHR Journals Library Editor-in-Chief**

Professor Tom Walley Director, NIHR Evaluation, Trials and Studies and Director of the EME Programme, UK

### **NIHR Journals Library Editors**

**Professor Ken Stein** Chair of HTA and EME Editorial Board and Professor of Public Health, University of Exeter Medical School, UK

Professor Andrée Le May Chair of NIHR Journals Library Editorial Group (HS&DR, PGfAR, PHR journals)

Dr Martin Ashton-Key Consultant in Public Health Medicine/Consultant Advisor, NETSCC, UK

**Professor Matthias Beck** Professor of Management, Cork University Business School, Department of Management and Marketing, University College Cork, Ireland

Dr Tessa Crilly Director, Crystal Blue Consulting Ltd, UK

Dr Eugenia Cronin Senior Scientific Advisor, Wessex Institute, UK

Dr Peter Davidson Director of the NIHR Dissemination Centre, University of Southampton, UK

Ms Tara Lamont Scientific Advisor, NETSCC, UK

**Dr Catriona McDaid** Senior Research Fellow, York Trials Unit, Department of Health Sciences, University of York, UK

Professor William McGuire Professor of Child Health, Hull York Medical School, University of York, UK

Professor Geoffrey Meads Professor of Wellbeing Research, University of Winchester, UK

Professor John Norrie Chair in Medical Statistics, University of Edinburgh, UK

Professor John Powell Consultant Clinical Adviser, National Institute for Health and Care Excellence (NICE), UK

**Professor James Raftery** Professor of Health Technology Assessment, Wessex Institute, Faculty of Medicine, University of Southampton, UK

Dr Rob Riemsma Reviews Manager, Kleijnen Systematic Reviews Ltd, UK

Professor Helen Roberts Professor of Child Health Research, UCL Institute of Child Health, UK

Professor Jonathan Ross Professor of Sexual Health and HIV, University Hospital Birmingham, UK

**Professor Helen Snooks** Professor of Health Services Research, Institute of Life Science, College of Medicine, Swansea University, UK

**Professor Jim Thornton** Professor of Obstetrics and Gynaecology, Faculty of Medicine and Health Sciences, University of Nottingham, UK

**Professor Martin Underwood** Director, Warwick Clinical Trials Unit, Warwick Medical School, University of Warwick, UK

Please visit the website for a list of members of the NIHR Journals Library Board: www.journalslibrary.nihr.ac.uk/about/editors

Editorial contact: journals.library@nihr.ac.uk