CHOICE: Choosing Health Options In Chronic Care Emergencies

Elspeth Guthrie, 1* Cara Afzal, 2,3 Claire Blakeley, 2,4 Amy Blakemore, 4,5 Rachel Byford, 6 Elizabeth Camacho, 4,7 Tom Chan, 6 Carolyn Chew-Graham, 8 Linda Davies, 7 Simon de Lusignan, 5 Chris Dickens, 9,10 Jessica Drinkwater, 11 Graham Dunn, 4,12 Cheryl Hunter, 13 Mark Joy, 14 Navneet Kapur, 4,15 Susanne Langer, 16 Karina Lovell, 4,17 Jackie Macklin, 18 Kevin Mackway-Jones, 4,19 Dionysios Ntais, 4,7 Peter Salmon, 20 Barbara Tomenson 4,12 and Jennifer Watson 2,4

¹Leeds Institute of Health Sciences, University of Leeds, Leeds, UK

²Manchester Mental Health and Social Care Trust, Manchester Royal Infirmary, Manchester, UK

³Greater Manchester Academic Health Science Network (GM AHSN), Manchester, UK

⁴Manchester Academic Health Science Centre, Manchester, UK

⁵Centre for Primary Care, Institute of Population Health, University of Manchester, Manchester, UK

⁶Department of Health Care Management and Policy, University of Surrey, Guildford, UK

⁷Centre for Health Economics, Institute for Population Health, University of Manchester, Manchester, UK

⁸Research Institute, Primary Care and Health Sciences, Keele University, Keele, UK

⁹Institute of Health Research, Medical School, University of Exeter, Exeter, UK

¹⁰Peninsula Collaboration for Leadership in Health Research and Care (PenCLAHRC), University of Exeter, Exeter, UK

¹¹Leeds Institute of Health Sciences, University of Leeds, Leeds, UK

¹²Centre for Biostatistics, Institute of Population Health, University of Manchester, Manchester, UK

¹³Health Services Research Unit, Nuffield Department of Population Health, University of Oxford, Oxford, UK

¹⁴Faculty of Science, Engineering and Computing, Kingston University, London, UK ¹⁵Institute of Brain, Behaviour and Mental Health, University of Manchester,

Manchester, UK

¹⁶Department of Psychology, Manchester Metropolitan University, Manchester, UK

- ¹⁷School of Nursing, Midwifery and Social Work, University of Manchester, Manchester, UK
- ¹⁸Royal Free Foundation Trust, London, UK
- ¹⁹Central Manchester University Hospitals NHS Foundation Trust, Manchester, UK
- ²⁰Department of Psychological Sciences, University of Liverpool, Liverpool, UK

Declared competing interests of authors: Simon de Lusignan has received funding from Eli Lilly and GlaxoSmithKline (GSK) Biologicals. Funding has also been received from the Department of Health for the National Evaluation of Improving Access to Psychological Therapies (IAPT). Elspeth Guthrie reports grants from the National Institute for Health Research (NIHR) during the conduct of the study. Karina Lovell reports grants from NIHR, the National Institute of Mental Health (NIMH) and Arthritis Research UK during the conduct of the study. Chris Dickens reports grants from NIHR during the conduct of the study. Linda Davies reports grants from the NIHR, Medical Research Council, Economic and Social Research Council, Macmillan, Cancer Research UK, Arthritis Research UK and Central Manchester University Hospitals NHS Foundation Trust (CMFT) during the conduct of this study. Peter Salmon reports grants from Marie Curie Cancer Care, the Liverpool Institute of Health Inequalities Research, Merseycare NHS Trust, Royal Liverpool and Broadgreen Hospitals NHS Trust, the Economic and Social Research Council, and the Medical Research Council during the conduct of the study. Navneet Kapur reports other research funding from NIHR, the Department of Health and the Healthcare Quality Improvement Partnership during the conduct of the study. He was not in receipt of any industry funding. He was involved in National Institute for Health and Care Excellence guidelines and Department of Health (England) advisory groups on suicidal behaviour unrelated to the conduct of the current study.

Disclaimer: The views and opinions expressed herein are those of the authors and do not necessarily reflect those of the National Institute for Health Research Public Health Research programme or the Department of Health.

Published July 2017 DOI: 10.3310/pgfar05130

Plain English summary

Choosing Health Options In Chronic Care Emergencies

Programme Grants for Applied Research 2017; Vol. 5: No. 13

DOI: 10.3310/pgfar05130

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

^{*}Corresponding author e.a.guthrie@leeds.ac.uk

Plain English summary

In this programme, we sought to understand whether or not psychological factors impacted on use of emergency health services by people with chronic physical illness, and to develop an intervention that may improve their health and reduce the need to use emergency services. We carried out scientific reviews, a large primary care study, in-depth interviews with patients and a small treatment trial.

We found that prior use of emergency health care, depression, life stressors and lack of a partner had significant impacts on use of emergency services in people with long-term physical illness. We also found that people sought help only when they really needed it and saw hospitals as being the right place to receive expert care.

We found that depression and the other psychological and social factors were rarely recognised by general practitioners (GPs) or discussed in annual health reviews. We worked with GP practices to try to improve their management of people who were likely to need emergency services, and we also worked with people with lived experience of chronic disease to develop a specific psychological treatment for people with long-term physical illness who were depressed or experiencing social difficulties.

It was difficult to get GP practices to change, but the psychological intervention, which involved weekly treatment sessions from a practice-based, liaison mental health worker, was very well received. There was preliminary evidence that recipients became less depressed and had less need to attend emergency departments, but there was no overall effect from the efforts to improve practice management.

Programme Grants for Applied Research

ISSN 2050-4322 (Print)

ISSN 2050-4330 (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 PGfAR archive is freely available to view online at www.journalslibrary.nihr.ac.uk/pgfar. 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 Programme Grants for Applied Research journal

Reports are published in *Programme Grants for Applied Research* (PGfAR) if (1) they have resulted from work for the PGfAR programme, and (2) they are of a sufficiently high scientific quality as assessed by the reviewers and editors.

Programme Grants for Applied Research programme

The Programme Grants for Applied Research (PGfAR) programme, part of the National Institute for Health Research (NIHR), was set up in 2006 to produce independent research findings that will have practical application for the benefit of patients and the NHS in the relatively near future. The Programme is managed by the NIHR Central Commissioning Facility (CCF) with strategic input from the Programme Director.

The programme is a national response mode funding scheme that aims to provide evidence to improve health outcomes in England through promotion of health, prevention of ill health, and optimal disease management (including safety and quality), with particular emphasis on conditions causing significant disease burden.

For more information about the PGfAR programme please visit the website: http://www.nihr.ac.uk/funding/programme-grants-for-applied-research.htm

This report

The research reported in this issue of the journal was funded by PGfAR as project number RP-PG-0707-10162. The contractual start date was in December 2013. The final report began editorial review in May 2015 and was accepted for publication in September 2016. As the funder, the PGfAR programme agreed the research questions and study designs in advance with the investigators. The authors have been wholly responsible for all data collection, analysis and interpretation, and for writing up their work. The PGfAR 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, CCF, NETSCC, PGfAR 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 PGfAR programme or the Department of Health.

© Queen's Printer and Controller of HMSO 2017. This work was produced by Guthrie 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).

Programme Grants for Applied Research Editor-in-Chief

Professor Paul Little Professor of Primary Care Research, University of Southampton, 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 Andree 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 Chair in Public Sector Management and Subject Leader (Management Group), Queen's University Management School, Queen's University Belfast, UK

Dr Tessa Crilly Director, Crystal Blue Consulting Ltd, UK

Dr Eugenia Cronin Senior Scientific Advisor, Wessex Institute, 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 Health Sciences Research, Health and Wellbeing Research Group, 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