Preparing for Home: a before-and-after study to investigate the effects of a neonatal discharge package aimed at increasing parental knowledge, understanding and confidence in caring for their preterm infant before and after discharge from hospital

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Declared competing interests of authors: none

Published March 2016  
DOI: 10.3310/hsdr04100

Plain English summary

Preparing for Home: a before-and-after study
Health Services and Delivery Research 2016; Vol. 4: No. 10  
DOI: 10.3310/hsdr04100

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Plain English summary

More than 90% of preterm babies now survive. However, parents often have low levels of confidence in their abilities to care for their baby and feel unprepared for discharge, which may lead to increased use of ‘out-of-hours’ services.

With the help of parents of preterm babies, we developed a ‘Train-to-Home’ package. This package was aimed at helping the parents of preterm babies to understand and be more involved in the care of their baby while in hospital, and to prepare them for looking after their baby at home.

We studied whether using the Train-to-Home package had any effects on parents’ self-confidence and knowledge of how to care for their baby, the babies’ length of stay in hospital and the use of ‘out-of-hours’ services after going home. We compared babies born in the 11-month periods before and after the introduction of the Train-to-Home package in four local neonatal units.

Use of the Train-to-Home package did not affect babies’ lengths of hospital stay, or the measured self-confidence scores of parents. However, parents reported feeling more involved and knowledgeable about their babies’ care. There was also a small but statistically significant reduction in visits to emergency departments following discharge from hospital after introducing the Train-to-Home package. Despite the limited time available for staff to get used to the Train-to-Home package in this study, the results suggest that this approach may be helpful in informing and empowering parents in the care of their preterm babies after going home from hospital.
Health Services and Delivery Research

ISSN 2050-4349 (Print)
ISSN 2050-4357 (Online)

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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 11/1015/09. The contractual start date was in August 2012. The final report began editorial review in May 2015 and was accepted for publication in October 2015. 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.

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