Randomised controlled trial and economic analysis of an internet-based weight management programme: POWeR+ (Positive Online Weight Reduction)

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Declared competing interests of authors: Paul Little is Editor-in-Chief of the Programme Grants for Applied Research journal and a member of the National Institute for Health Research (NIHR) Journals Library Board. James Raftery is a member of the Health Technology Assessment (HTA) and Efficacy and Mechanism Evaluation editorial boards and a member of the NIHR Journals Library Editorial Group and was previously Director of the Wessex Institute and Head of NETSCC. Barrie Margetts states that since retiring from the University of Southampton (in September 2014) he has undertaken paid consultancies for the World Bank, UNICEF and the World Health Organization. Up until December 2015 he was an unpaid trustee of the international charity ‘Riders for Health’ and up until May 2015 he was unpaid president of the World Public Health Nutrition Association. Lucy Yardley is a member of the NIHR Public Health Research Funding Board and the HTA Efficient Study Designs Board.
Plain English summary

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Health Technology Assessment 2017; Vol. 21: No. 4
DOI: 10.3310/hta21040

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Background

Obesity is increasing and causes major health problems. Intensive expert counselling about diet and exercise works, but there is limited capacity to do this in general practice, where most people are managed.

Methods

People in the ‘control’ group were given brief written advice plus 6-monthly follow-ups with a practice nurse. This was compared with an internet-based intervention called Positive Online Weight Reduction (POWeR+) to help change eating and exercise habits. Nurse support for POWeR+ was either by face-to-face support (up to seven contacts) or remote support (up to five e-mails or brief telephone calls).

Results

A total of 818 people took part. The control group lost nearly 3 kg per person over 12 months. Compared with the control group, participants in the face-to-face POWeR+ group lost 1.5 kg more, averaged over 12 months, whereas those in the the remote group lost 1.3 kg more. By 12 months, mean weight loss was not significantly different between groups, but 20.8% of the control group, 29.2% of the face-to-face group and significantly more of the remote group (32.4%) had lost ≥ 5% of their original body weight, which is important to health. Costs to the NHS were lowest for the remote group, who were generally doing fewer other activities to lose weight and felt more enabled to manage their weight. Interviews confirmed that patients generally liked POWeR+ and health-care professionals liked supporting patients to use POWeR+.

Conclusion

Compared with brief advice and occasional brief nurse follow-up, using an internet-based programme (POWeR+) combined with brief support by a practice nurse results in more people achieving an important amount of weight loss, and is cost-effective.
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This report

The research reported in this issue of the journal was funded by the HTA programme as project number 09/127/19. The contractual start date was in January 2012. The draft report began editorial review in January 2016 and was accepted for publication in August 2016. The authors have been wholly responsible for all data collection, analysis and interpretation, and for writing up their work. The HTA editors and publisher have tried to ensure the accuracy of the authors’ report and would like to thank the reviewers for their constructive comments on the draft 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 HTA 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 HTA programme or the Department of Health.

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