Incentives in Diabetic Eye Assessment by Screening (IDEAS) trial: a three-armed randomised controlled trial of financial incentives

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Declared competing interests of authors: Colin Bicknell has received unrelated fees for consultancy and speaker honoraria from Hansen Medical, Medtronic and Bolton Medical, during the conduct of the study.

Published March 2017
DOI: 10.3310/hsdr05150

Plain English summary

Incentives in Diabetic Eye Assessment by Screening Trial (IDEAS)
Health Services and Delivery Research 2017; Vol. 5: No. 15
DOI: 10.3310/hsdr05150

NIHR Journals Library www.journalslibrary.nihr.ac.uk
Plain English summary

One of the common complications of diabetes is diabetic retinopathy. This is caused by the formation of new, fragile blood vessels in the eye, which can bleed and cause damage, and can even lead to blindness. If retinopathy is detected early, it can be treated more effectively. Therefore, people in England with diabetes are offered annual eye screening. Eighty-one per cent of those invited attend, with lower attendance in poorer areas, and so many are at risk of preventable sight loss. Effective and affordable ways are needed to encourage more people to come to screening, in order to prevent avoidable blindness.

Financial incentives have been used to promote healthy behaviours, such as quitting smoking or having vaccinations. This research tests whether or not different types of incentives can encourage people to attend diabetic eye screening (DES).

Diabetic patients who had not attended screening for at least 2 years were included in the trial, and split into three groups randomly:

1. control – sent the usual appointment invitation letter
2. fixed group – sent the usual letter, including a voucher for £10 if they attended their appointment
3. lottery group – sent the usual letter, including a voucher promising a 1 in 100 chance of winning £1000 if they attended their appointment.

The study found that only 7.8% of control participants (5.5% from the fixed group and 3.3% from the lottery group) attended screening. Therefore, incentives, and the lottery incentive in particular, when compared with control, were not found to be effective ways to increase attendance at DES, and they may even reduce the numbers of people attending.
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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 12/64/112. The contractual start date was in July 2014. The final report began editorial review in July 2016 and was accepted for publication in December 2016. 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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