We need more active travel intervention research – why not travel plans?

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A high proportion of published health promotion research on physical activity is descriptive, and there is a need for more published intervention research.\textsuperscript{1,2} Although travel planning has been described as a promising way to promote population-level physical activity,\textsuperscript{3,4} a Cochrane systematic review of organisational travel plan interventions for improving health identified 17 studies, 12 of which were conducted in educational settings and 5 in workplaces.\textsuperscript{5} Evidence on the effectiveness of travel planning interventions may strengthen a case for policy that supports implementation of travel plans.

Organisational travel plans, which aim to promote active forms of transport and reduce car use, work at the individual and organisational level, and employ a mix of strategies including policy (e.g. parking management policy, public transport ticket subsidies), infrastructure (e.g. provision of end-of-trip facilities, creation of maps) and behaviour change (e.g. cycling and walking programs).

The Liverpool Hospital Travel Plan (2011–2014) is in the final stages of implementation.\textsuperscript{6} The development and baseline findings of the travel plan were the first in Australia to be published in a peer-reviewed journal,\textsuperscript{7} and the validation of the survey questions used to measure changes in travel behaviour have also been published.\textsuperscript{8} More information about the program can be found at www.activetravel.net.au.

Preliminary findings from Liverpool Hospital staff’s annual travel surveys conducted at baseline in 2011, 2012 and 2013 presented in Fig. 1, show a significant reduction in car use, and subsequent shift towards active travel.

Travel plans that are effective at decreasing car driving often include a combination of ‘carrots’ in the form of strong incentives for active travel and public transport use, as well as ‘sticks’ that are strong disincentives for car use.\textsuperscript{9,10} The Liverpool Hospital Travel Plan’s modest preliminary results may be explained by the fact that the two most effective actions have not yet been fully implemented; a public transport ticket salary deduction/sacrifice scheme has undergone only a small pilot, and the parking management plan is at the scoping study stage.

The results of surveys to date: a final survey to be conducted in September 2014 and data from a nested cohort that have been followed longitudinally will be assessed via a logistic regression model to account for potential confounding factors since the intervention lacks a control site. While the increase in active transport is modest, results are promising.

References


