Effects of interpretive nutrition labels on consumer food purchases: the Starlight randomised controlled trial

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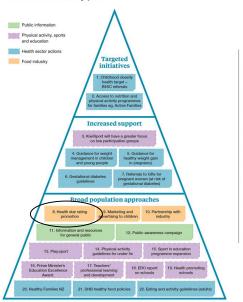




Interpretive FOP nutrition labels are a common policy recommendation

		Target population	Strength of evidence*	DALYs saved	Gross costs† (A\$ million)	Net cost per DALY saved‡ (A\$ million)
	Unhealthy food and beverage tax (10%)\$77	Adults	4	559000	18-00	Cost-saving
	Front-of-packtraffic light nutrition labelling§77	Adults	5	45 100	81-00	Cost-saving
	Reduction of advertising of junk food and beverages to children¶	Children (0-14 years)	2	37 000	0.13	Cost-saving

The childhood obesity plan







Implement interpretive front-of-pack labelling, supported by public education of both adults and children for nutrition literacy.



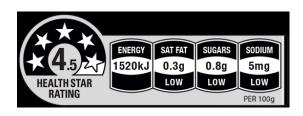
Traffic Light Labels (TLL)

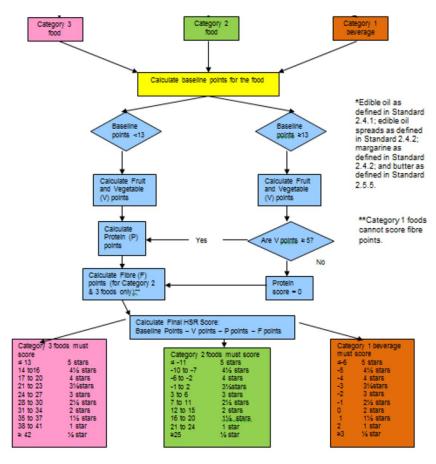


All measures per 100g	LOW a healthier choice	MEDIUM most of the time	HIGH eat occasionally
Sugars	5g or less	5.1g - 15g	More than 15g
Fat	3g or less	3.1g - 20g	More than 20g
Saturates	1.5g or less	1.6g - 5g	More than 5g
Salt	0.3g or less	0.31g - 1.5g	More than 1.5g

Health Star Rating (HSR) label







Starlight RCT

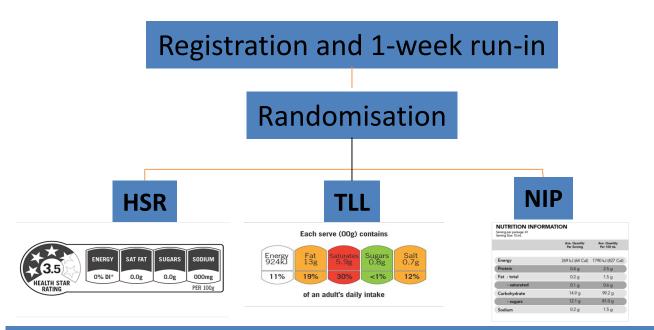
What effects do interpretive nutrition labels have on the healthiness (FSANZ nutrient profiling scoring criterion – NPSC) of consumer food purchases?





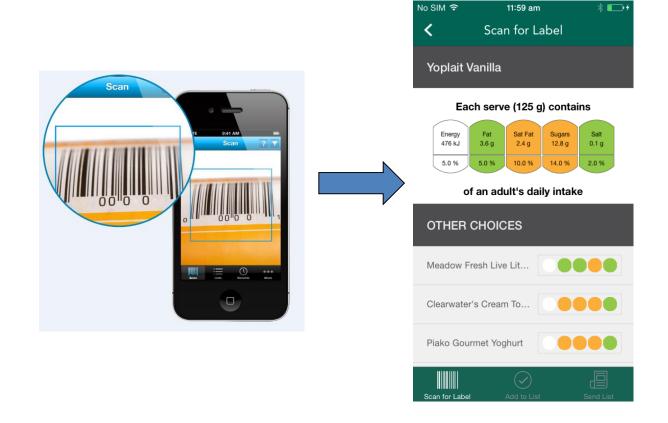


Study design

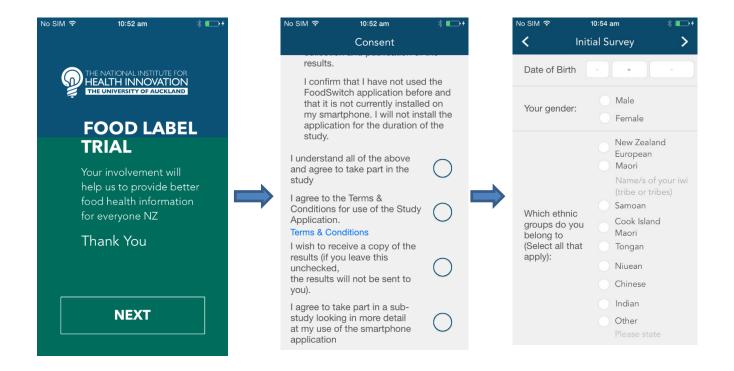


1-month follow-up of all packaged food purchases

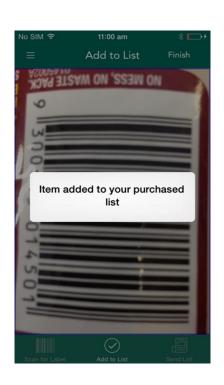
Intervention delivery



Consent & baseline data collection



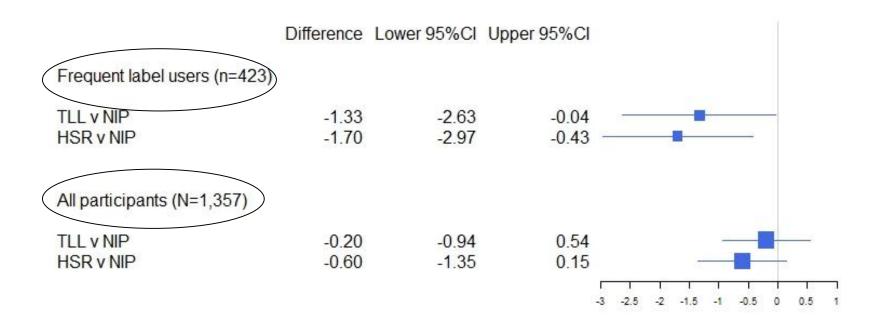
Food purchasing data collection







Healthiness of food purchases



Self-reported label usefulness (TLL and HSR compared to NIP)

 Participants randomised to HSR and TLL significantly more likely to report that they found the assigned labels useful; easy to understand; bought different foods as a result of viewing the labels; and their nutrition knowledge improved as a result of using the labels in the app (all p-values <0.001)

No difference between TLL and HSR groups (all p-values >0.05)

Strengths and weaknesses

Strengths

 Randomised, blinded, controlled, large, realworld setting

Weaknesses

 Limited use of intervention, use of app as surrogate for on-pack labelling, incomplete reporting of purchases

Take home messages

- At the relatively low level of use observed in this RCT, interpretive front-of-pack nutrition labels had no significant effect on population food purchases
- However shoppers find interpretive labels more useful and easier to understand than non-interpretive labels (NIP)
- Amongst a small subgroup of frequent label users, interpretive labels may assist in making healthier food choices





