

# Modelled impacts of dietary policies

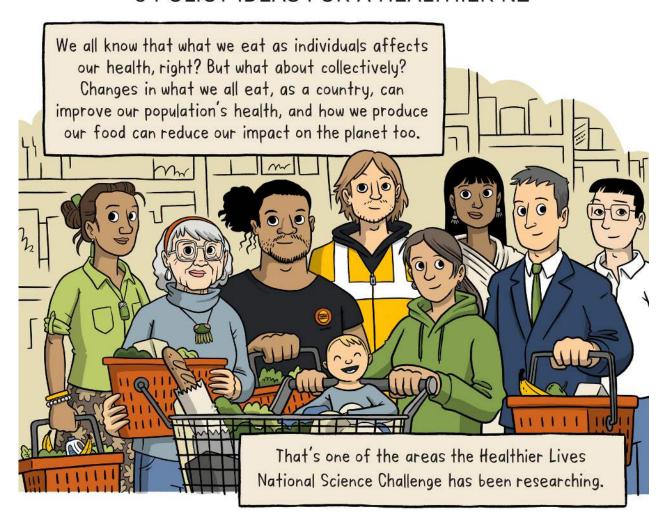
## Sustainable NZ Kai project team:

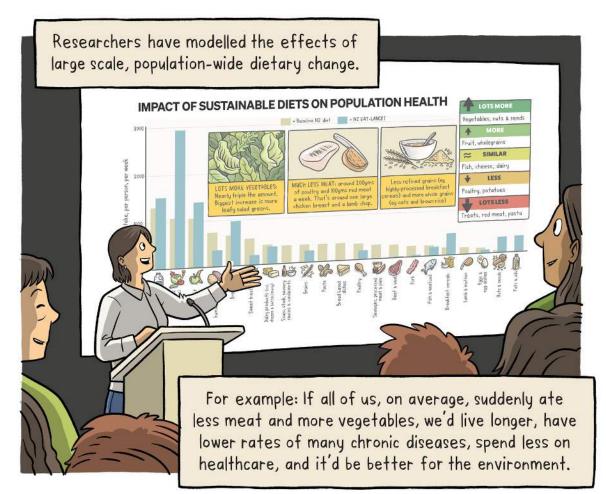
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## **SMALL CHANGES, BIG IMPACT** 5 POLICY IDEAS FOR A HEALTHIER NZ







The good news is, if lots of people make small changes it can have a large impact at a collective level. So, as well as researching ideal hypothetical diets, this research has also investigated some realistic policies our government could introduce that would positively influence individual eating habits and knowledge.



# MORE MĀRA KAI AND COMMUNITY GARDENS



IMPACT:



HEALTH 'Health adjusted life years' (HALY) added per 1000 people over a lifetime

Costs S364M

COSTS Total million \$NZ costs or savings to the health system over a lifetime



1.5

COST EFFECTIVENESS Cost for each 'Health adjusted life year' gained

EQUITY Ratio of health gain between Māori and non-Māori (Anything over 1 is higher per capita health gain for Māori, reducing inequity)

Although there is a cost to this policy, we would be funding communities to come up with their own solutions. We need change to make healthy kai accessible, and if we can grow our own, fresh food what better way is there? The health impacts of this policy make it borderline cost effective, and gardening policies such as this one also have wider societal benefits, like raising environmental awareness and building community.

## **REMOVE GST FROM SUSTAINABLE CORE FOODS**



# IMPACT:



HEALTH 'Health adjusted life years' (HALY) added per 1000 people over a lifetime

COSTS Total million \$NZ costs or savings to the health

system over a lifetime

Saves





COST EFFECTIVENESS Cost for each 'Health adjusted life year' gained

EQUITY Ratio of health gain between Māori and non-Māori (Anything over 1 is higher per capita health gain for Māori, reducing inequity)

This policy has the biggest benefits in health outcomes and costs. The savings are likely to be offset by the drop in tax income, but this policy has the highest positive impact on health of the policies discussed here. It's also an ongoing change, so these benefits will continue in the long term.

#### EDUCATION ABOUT SUSTAINABLE AND HEALTHY FOOD



# **IMPACT:**



HEALTH 'Health adjusted life years' (HALY) added per 1000 people over a lifetime



COSTS Total million \$NZ costs or savings to the health system over a lifetime



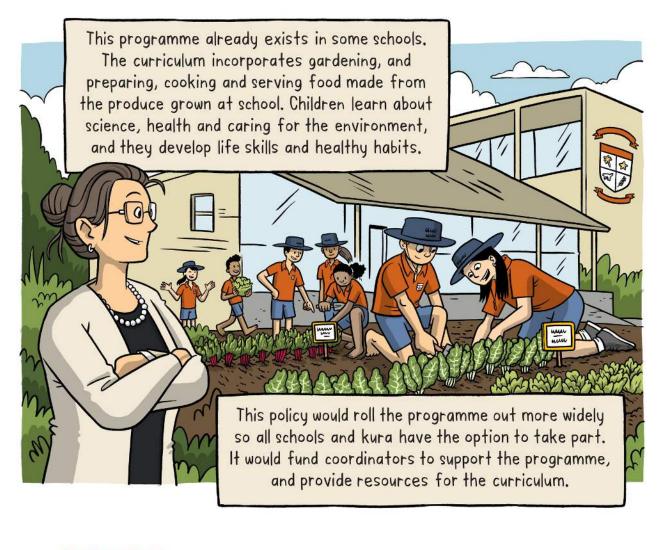


COST EFFECTIVENESS Cost for each 'Health adjusted life year' gained

EQUITY Ratio of health gain between Māori and non-Māori (Anything over 1 is higher per capita health gain for Māori, reducing inequity)

This policy would result in less dramatic health gains, partly due to it being a one-off campaign rather an ongoing change, but still has a positive impact on health, improves equity and saves money for the health system.

### **EXPAND 'GARDEN TO TABLE' SCHOOL PROGRAMMES**



# IMPACT:



HEALTH 'Health adjusted life years' (HALY) added per 1000 people over a lifetime



COSTS Total million \$NZ costs or savings to the health system over a lifetime



COST EFFECTIVENESS Cost for each 'Health adjusted life year' gained



EQUITY Ratio of health gain between Māori and non-Māori (Anything over 1 is higher per capita health gain for Māori, reducing inequity)

Modelling shows this policy would have small health benefits (+0.14 HALYs/1000 children) but is cost effective. Similar to the Māra Kai policy, this also has wider benefits for the next generation moving into adulthood - life skills, environmental awareness, community building. And it's very positive for equity.

## **HEALTHY FOOD AND DRINK POLICIES AT SCHOOLS**

Many schools and kura already have their own policies around what kind of food and drinks can be sold on school grounds, and this policy would seek to make that standard across the country: basically that school canteens, vending machines and lunch programmes are providing only healthy food and drinks.

> This policy provides regional co-ordinators to support schools to create healthier food environments. It needs school and community buy-in and ownership to work - acknowledging that whatever options end up being offered need to be affordable, appealing and culturally appropriate.

**IMPACT:** 



HEALTH 'Health adjusted life years' (HALY) added per 1000 people over a lifetime



COSTS Total million \$NZ costs or savings to the health system over a lifetime





COST EFFECTIVENESS Cost for each 'Health adjusted life year' gained

EQUITY Ratio of health gain between Māori and non-Māori (Anything over 1 is higher per capita health gain for Māori, reducing inequity)

Similar to the Garden to Table policy, here we'd see less dramatic immediate health changes (although +0.50 HALY/ 1000 children is positive). But it would be cost saving, positive for equity and would have long-term benefits of building healthy lifestyle habits in kids as they move into adulthood.



For further information about this project and our findings please see:

https://www.otago.ac.nz/wellington/research/group s/research-groups-in-the-department-of-publichealth/a-sustainable-diet-for-health-and-theclimate-in-aotearoa-new-zealand

or please contact:

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