

**Supplement Table 1.** *Number of participants from each outlying island in the study.*

<b>Island name</b>	<b>Count (%)</b>
<i>Main island (Funafuti)</i>	630 (61.5)
<i>North islands</i>	
Nanumea	50 (4.9)
Nanumaga	49 (4.8)
Niutao	50 (4.9)
<i>Middle islands</i>	
Vaitupu	76 (7.4)
Nui	60 (5.9)
Nukufetau	59 (5.8)
<i>South islands</i>	
Nukulaelae	30 (2.9)
Niulakita	20 (2.1)

a. Outlying islands are grouped into three island groups: (1) North three islands (including Nanumea, Nanumaga, and Niutao), (2) Middle three islands (including Vaitupu, Nukufetau, and Nui), and (3) South two islands (including Nukulaelae and Niulakita).

**Supplement Table 2.** *Multivariable regressions between home garden use and obesity prevalence, among population without non-communicable diseases<sup>a</sup>*

<b>Predictor variables</b>	<b>Unadjusted model</b>	<b>Fully adjusted model<sup>b</sup></b>	<b>Overlap weight model<sup>c</sup></b>
<b>(a) Obesity</b>	Odds ratio (95% confidence interval and p-value)		
Home garden use	0.914 (0.657-1.279, p=0.596)	0.863 (0.611-1.226, p=0.409)	0.967 (0.904-1.036, p=0.343)
<b>(b) Severe obesity</b>			
Home garden use	0.771 (0.515-1.135, p=0.196)	0.738 (0.488-1.099, p=0.142)	0.955 (0.901-1.012, p=0.119)

a. Obesity was defined as BMI >30 kg/m<sup>2</sup>, and severe obesity as BMI >40 kg/m<sup>2</sup>.

b. Adjusted for gender (male or female), age (grouped in ten years), education level (high school or above), income (>200 AUD or not), and smoking. Frequent consumers are people with response as "almost daily" or "several times a week" for each food item.

c. Weighted for gender (male or female), age (grouped in ten years), education level (high school or above), income (>200 AUD or not), and smoking.

Abbreviation: AUD, Australian dollar; BMI, body mass index; NCD, non-communicable disease.

**Supplement Table 3.** *Multivariable regressions between home garden use and obesity prevalence, among population without non-communicable diseases in Funafuti<sup>a</sup>*

Predictor variables	Unadjusted model	Fully adjusted model <sup>b</sup>	Overlap weight model <sup>c</sup>
<b>(a) Obesity</b>	Odds ratio (95% confidence interval and p-value)		
Home garden use	0.835 (0.551-1.277, p=0.400)	0.779 (0.502-1.217, p=0.268)	0.946 (0.862-1.038, p=0.240)
<b>(b) Severe obesity</b>			
Home garden use	<b>0.552 (0.305-0.951, p=0.039)</b>	<b>0.523 (0.284-0.916, p=0.029)</b>	<b>0.919 (0.856-0.986, p=0.019)</b>

a. Obesity was defined as BMI >30 kg/m<sup>2</sup>, and severe obesity as BMI >40 kg/m<sup>2</sup>.

b. Adjusted for gender (male or female), age (grouped in ten years), education level (high school or above), income (>200 AUD or not), and smoking. Frequent consumers are people with response as "almost daily" or "several times a week" for each food item.

c. Weighted for gender (male or female), age (grouped in ten years), education level (high school or above), income (>200 AUD or not), and smoking.

Abbreviation: AUD, Australian dollar; BMI, body mass index; NCD, non-communicable disease.