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<th>Title</th>
<th>Health effects of modernization in suburban village, Solomon Islands</th>
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<tr>
<td>Author(s)</td>
<td>Takahasi, Hideki; Maeda, Chiaki</td>
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Dear Japanese Students,

Nice to meet you. We are writing to inform you about health effects of modernization in a South Pacific country, Solomon Islands. Thanks to modernization, prevalence of malaria has been reducing in urban area. But now, obese people have been increasing. Suburban villages also have been modernizing such as cash economy, dependency on purchased food and so on. Do suburban villages follow the same pattern of urban area? What do you think? Now, let’s look one of the suburban villages — East Tasimboko.

**BACKGROUND (East Tasimboko)**

Modernization makes them happy?

- Improved nutritional status?
- Reduce the prevalence of malaria?

Let’s check it out!!

### OBJECTIVES

1. To reveal **nutritional status** of children and adults
2. To examine **prevalence of malaria** by age group
3. To think about **how we can support them**

### METHODOLOGY

<table>
<thead>
<tr>
<th>Subject</th>
<th>1. Nutritional status</th>
<th>2. Prevalence of malaria</th>
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</thead>
<tbody>
<tr>
<td>Children</td>
<td>male</td>
<td>female</td>
</tr>
<tr>
<td>Adults</td>
<td>258</td>
<td>272</td>
</tr>
</tbody>
</table>

### RESULTS

1. **Prevalence rate of obesity**
   - Children (Age: 2-18)
     - Underweight: 1.4
     - Normal: 70.4
     - Overweight: 27.9
   - Adolescents (18-24)
     - Underweight: 18.6
     - Normal: 36.9
     - Overweight: 41.2
   - Adults (≥25)
     - Underweight: 19.7
     - Normal: 70.5
     - Overweight: 11.8

2. **Prevalence rate of malaria**
   - Children (Age: 2-18)
     - 0~1: 11.2%
     - 11~30: 31.1%
     - 31~40: 41.5%
     - 41~50: 51.3%

Prevalence rate among young children is still high.

### FUTURE APPROACH

How we can support them??

1. Follow up their nutritional status and the cause of malaria prevalence
2. Report health status of study area to Ministry of Public Health
3. Carry out health education of dietary habit and malaria prevention

And Next challenge is... to do research of their dietary intake, energy expenditure and their attitude against malaria

### ACKNOWLEDGEMENTS

We thank all the teachers and laboratory members who helped our study. We are also very grateful to all the people who participated in this study.

Many thanks for reading our study. I would be very happy to hear from you.

From Hideaki Takahashi, Chiaki Maeda
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