WPI Hookworm in Papua New Guinea

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Background

Lymphatic Filariasis (LF)
- Directly caused by hookworm
- Soil-Transmitted disease

50% prevalence rate in Papua New Guinea
- Low life quality due to hookworm disease

Goal

Decrease the prevalence rate of hookworm disease on Karkar Island, Papua New Guinea

Methods

Send an educational team

Train villagers on hygiene

Teach villagers on how to use local resources to make sandals

Build up a sustainable education system

Cost

Past Approach
- Total: $3,500 + $3,275/year

Our Approach
- Total: $3,500
- Education: $3,500
- Shoes: $3,000
- Shipment: $275
- Cultural advisor: $2,000

Result

% of population infected by hookworm vs. Year

References