

## Olyset Nets: The Most Cost-Effective Malaria Intervention Available Today

The comparative cost of Olyset nets with indoor spraying and even other polyester bednets is a very important consideration. When calculating costs, the price of the insecticide is only part of the picture. The cost of application, equipment required, frequency of re-application, and distribution must be included to get the whole cost. With LNs, the cost per year is based on the number of people sleeping under the net and the life of the net in years. As Olyset nets last at least five years, the costs are very favourable to Olyset over time.

Intervention/Insecticide Program	Cost per person/year <sup>1</sup>
IRS/Carbamate	\$4.80
IRS/DDT	\$2.77
IRS/Pyrethroid	\$2.16
LN/Polyester	\$1.00
LN/Olyset	\$0.68

- The price of Olyset has decreased even since the time the study was published, making Olyset nets even more cost-effective.

### Measuring success in lives saved<sup>2</sup>:

- Epidemiologists estimate 5.5 child deaths are prevented for every 1000 children who are protected by a net for 1 year.
- Because an Olyset net lasts for at least five years compared to a maximum of three years for a polyester net, and assuming two children sleep under each net, an additional 22 lives would be saved per 1000 Olyset nets used.

### Olyset Net: creating a positive impact on public health:

- WHO and other organizations find that usage of nets can help to decrease malaria morbidity by as much as 50% to 60%.
- The use of LLINs has a direct impact on children, leading to decreased infant mortality/morbidity and healthier babies.
- Studies show the use of bed nets has an impact on pregnant women, decreasing miscarriages.

### Olyset recognition:

- TIME Magazine: “Most Amazing Inventions of 2004” November 29, 2004 issue.
- The Asahi Corporate Citizen Award. Recognizes innovative, long-term social contributions by corporations. Sumitomo Chemical was selected as one of five laureates from a field of 177 companies.
- The 2006 Tech Museum Awards. Recognizes innovative uses of technology that bring sustained benefit and contributes to solving the most pressing problems facing humanity. Olyset Net was chosen as the Prize Laureate in the Health category.

<sup>1</sup> World Health Organization Global Malaria Programme Strategic Technical Advisory Group, May 2006.

<sup>2</sup> According to the data of C.Lengeler published in the Cochrane Review 2007.

**Olyset Net technology difference:**

- **Five year guarantee** – field trials indicate that a seven or eight-year life is achievable – compared to 2-3 year maximum life in field for polyester nets
  - **Controlled release technology** – Insecticide is incorporated within the net's fibres during manufacture, for slow release over a sustained period of time
  - **Ready to use – never needs retreatment**
  - **Tough** – polyethylene is a very strong material, much more tear-resistant than polyester fibre
  - **Wash proof** – effective for at least 20 washes
  - **Maximum ventilation** – improving air flow
  - **Quadruple insecticide effect on mosquitoes** – bite inhibition, repellency, knockdown and kill
  - **WHO recommendation** – Olyset is the only LLIN to have a full recommendation from WHO
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