

# Combined data for estimating insecticide-treated bed net coverage in Africa

August 17 2010

---

In research published this week in *PLoS Medicine* Stephen Lim and colleagues (University of Washington) systematically estimate the changes in distribution of insecticide-treated bed nets (ITNs) across Africa between 2000 and 2008, and find that several countries have managed to scale up their ITN coverage from near zero to more than 60%.

Development assistance for health (DAH) targeted at malaria has increased massively over the past decade, with substantial funds directed towards increasing ITN coverage. In this study the authors combined data from three sources — manufacturers' records of ITN supply, National Malaria Control Program reports on ITN distribution, and household surveys of ITN use — to estimate ITN ownership coverage and ITN use in children under 5 for 44 [African countries](#). They also analyzed the effects of DAH for each country on ITN coverage.

The authors found that although several countries have managed to scale up their ITN coverage, some countries, e.g. Nigeria, continue to have low ITN coverage. [Africa](#) as a whole will therefore fall far short of the target of 80% ITN coverage by the end of 2010. The authors finding that increased DAH was related to improved ITN coverage suggests that inadequate funding might have contributed to a lack of progress in some countries. Continued financial assistance will be required to maintain and improve ITN coverage in Africa.

**More information:** Flaxman AD, Fullman N, Otten MW Jr., Menon

M, Cibulskis RE, et al. (2010) Rapid Scaling Up of Insecticide-Treated Bed Net Coverage in Africa and Its Relationship with Development Assistance for Health: A Systematic Synthesis of Supply, Distribution, and Household Survey Data. PLoS Med 7(8): e1000328. [doi:10.1371/journal.pmed.1000328](https://doi.org/10.1371/journal.pmed.1000328)

Provided by Public Library of Science

Citation: Combined data for estimating insecticide-treated bed net coverage in Africa (2010, August 17) retrieved 18 April 2024 from <https://medicalxpress.com/news/2010-08-combined-insecticide-treated-bed-net-coverage.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.