



Malaria

Facts & Figures

Malaria: The Deadliest Vector-Borne Disease



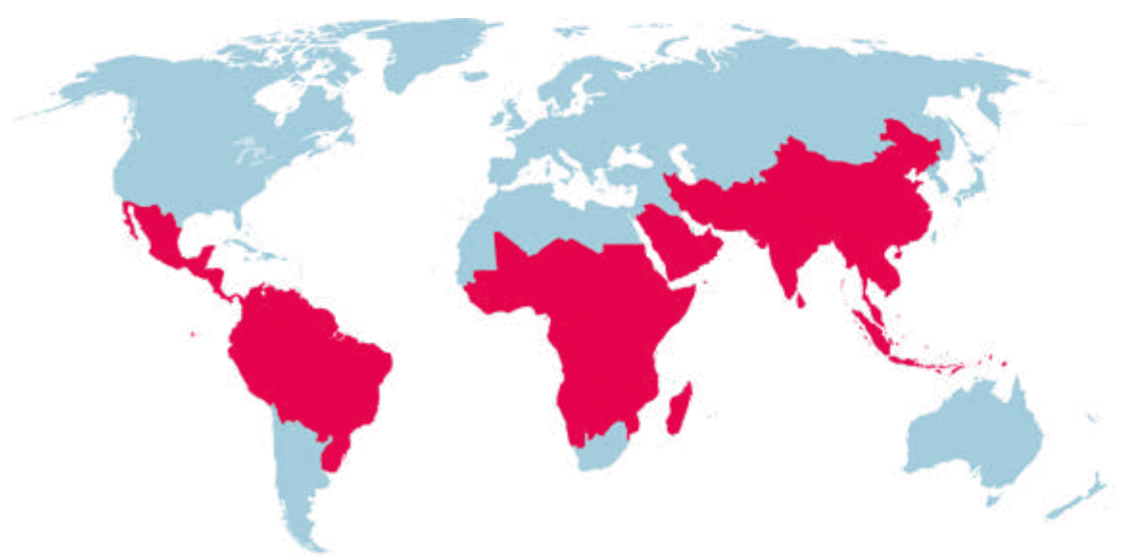
50% of the global population at risk

219 million cases a year
An increase of 2 million cases in comparison to 2016

435,000 deaths each year
93% of which in Africa

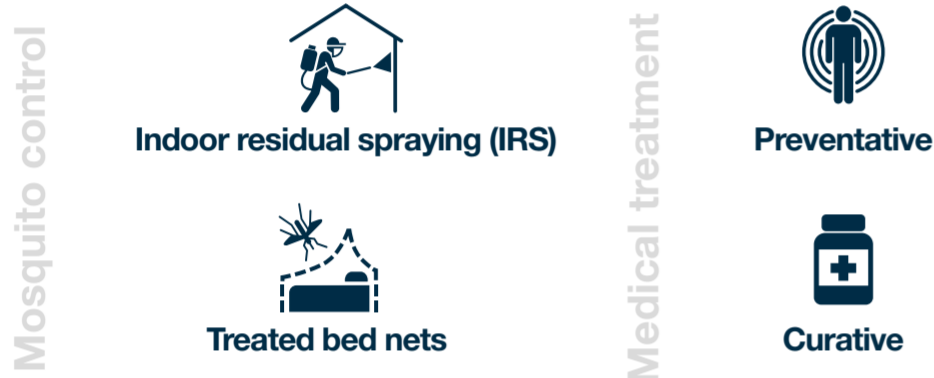
30 child deaths every hour

Regions at Risk



91 countries and territories
High risk for 1.1 billion people

Existing Solutions to Fight Malaria



115 million people protected globally by indoor residual spray in 2017

50% of the population in Africa slept under a treated bed net in 2017 compared to 29% in 2010

Progress 2000-2016

+
Almost 60% decrease in the mortality rate
7 million lives saved

✖
4 out of every 5 cases averted thanks to vector control interventions

🏠
We have supplied Indoor Residual Spray to protect **200 million people** in Africa since 2010

🛏
1 billion people protected by bed nets containing our active ingredients since 2000

On Alert: Insecticide Resistance

Evolution of resistance in mosquitoes

Insecticide resistance: Widespread resistance to main insecticides used on nets. Emerging resistance to other insecticides used in indoor residual spraying.

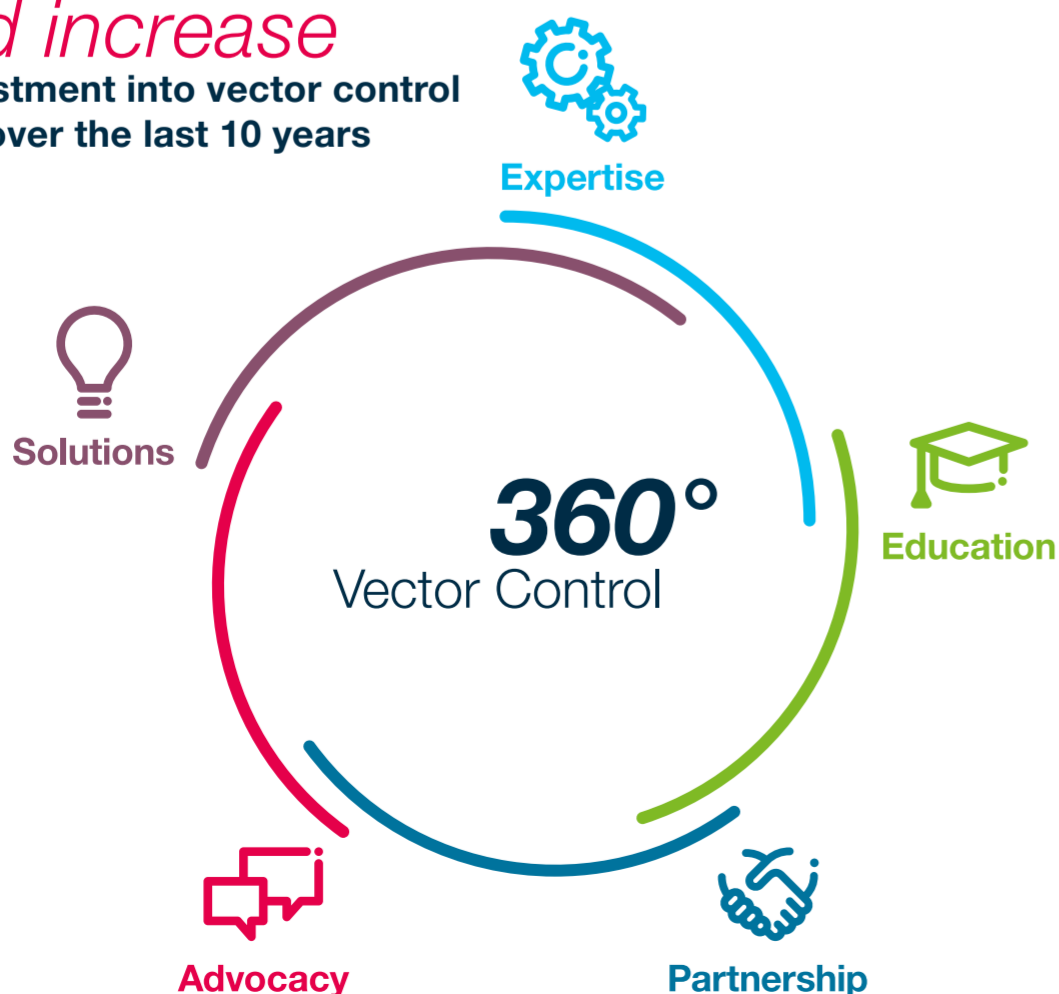
Risk of malaria resurgence



DANGER: effectiveness of vector control solutions could be lost

Bayer's Involvement in the Fight Against Malaria

5 fold increase in our investment into vector control over the last 10 years



Expertise:

- // Over 60 years of expertise in vector control
- // A global team with more than 50 people, with strong presence in Africa

Solutions:

- // A unique vector control portfolio that includes three different modes of action for resistance management
- // Developed the first combination product for IRS - Fludora® Fusion
- // Ongoing investment into innovative solutions to address challenges facing malaria vector control
- // Investment into production capacity for vector control products in Africa, to improve supply within Africa

Education:

- // Proactively promoting and supporting safe use of malaria vector control solutions
- // Investment in the next generation of malaria scientists

Partnership:

- // Strong partnership with IVCC in solution development
- // Collaborating with international organizations, foundations, and governments; participating in numerous task forces

Advocacy:

- // Awareness campaigns, contributing to vector control guidelines and resource allocation; media campaigns and tools, public speaking, committee work, publishing research, ...