1. Summary
This review analyses the situation of malaria control worldwide and it resumes the achievements reached and the points that should be improved.

2. Introduction
Although the progresses achieved in the last ten years, malaria control measures may be threatened by the emerging drug and insecticide resistance. According to WHO data, artemisinin-based combination therapy resistance has been detected in four countries of the Greater Mekong region while insecticide resistance has been found in 64 countries. New strategies should be developed. Otherwise, malaria control achievements may step back.

3. Objectives
1. Analysis of current worldwide situation of malaria.
2. Summary of the different preventive and control measures.
3. Evaluation of some possible new tools to control malaria.

4. Malaria: a public health problem
Nearly half of the world’s population is at risk of malaria. The majority of malaria deaths and cases occur in Africa. Approximately 86% of malaria deaths globally were of children under 5 years of age.

The WHO Global Malaria Action Plan helps to achieve the health-related goals from the Eight Millennium Development Goals, including the control of malaria. Since these goals were established in 2000, the estimated incidence of malaria has reduced by 17% and malaria specific mortality rates by 26%.

5. Results
The enormous achievements reached may have slowed down recently.

Current malaria control measures include:

- **Diagnostic testing**: RDTs/light microscopy
- **Treatment**:
  - *P. falciparum*: ACTs
  - *P. vivax*: chloroquine
- **Chemoprevention**:
  - Intermittent (SP)
  - Seasonal (AQ+SP)
- **Vector control activities**:
  - IRS, LLINs, ITNs, larval control activities

6. Conclusions
Although more time is needed if we want to achieve the goals established for malaria control, it will be possible if international and local efforts to accomplish universal coverage and develop new tools continue. New strategies to control malaria should be based on the optimization of current measures and the development of new tools.