

# MALARIA RESEARCH, PREVENTION AND CONTROL

*There are six hundred million new infections with malaria each year.*

*Every day 2,000 African children die of malaria.*

*In some countries, 40% of the health expenditures go toward malaria prevention and treatment.*

*Pregnant women and their unborn children are particularly vulnerable to malaria.*

## SUMMARY

**Malaria remains one of the most significant health problems in the world today. With the goal of reducing infections and deaths due to malaria, FHI works to assure the quality of and access to reliable measures to combat malaria. FHI has research projects underway to evaluate improved treatment options and assure the quality of vaccines and other effective interventions for malaria prevention.**

### ASSURING QUALITY

FHI's Product Quality and Compliance (PQC) laboratory assures that both insecticide-treated nets (ITNs) and malaria therapeutics comply with procurement specifications. Our PQC team provides pre-qualification and production monitoring services to funders and procurement agencies around the world.

### ADVANCING RESEARCH WHILE BUILDING CAPACITY

FHI is paving the way for new research by working to build local capacity among new and existing research site, new investigators and regional research networks to participate in clinical research studies. Through work with the Malaria Vaccine Initiative, FHI is assessing potential research sites for participation in future vaccine studies.

FHI partners with the Medicines for Malaria Venture (MMV) team on clinical trials in Africa and Asia that are testing new treatment options for the two most common strains of malaria in those regions. These important projects have great potential to prevent morbidity and mortality saving thousands of lives each year.

In preparation for clinical research, FHI provides training in malaria microscopy techniques and assesses the quality systems of laboratories against international standards. Through technical assistance and laboratory strengthening programs, FHI supports local laboratories to meet the testing requirements

for both clinical research and routine patient care services.

Since 2000, FHI has operated the National Institutes of Health's International Clinical Sciences Support Center (ICSSC). The ICSSC increases local capacity to conduct quality research on the treatment, prevention, and control of malaria and other tropical diseases. FHI provides researchers in resource-constrained countries with training and technical assistance on topics ranging from study design to publishing of findings in peer-reviewed scientific journals.

### LEVERAGING EXPERTISE

FHI researchers bring a wealth of experience to understand, evaluate, and address the clinical, behavioral, health systems and economic issues that surround the prevention, treatment, and control of malaria. Our scientists have studied topics such as malaria in pregnancy, co-infection with HIV, ITN coverage, and socio-economic and behavioral aspects of malaria and its prevention.

Meanwhile, FHI continues to look for new opportunities to address the challenges that malaria poses. These range from partnerships to explore innovative prevention technologies to applying FHI's expertise in costing, operations research and behavioral research to the treatment, control and prevention of malaria.

### For more information, contact:

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