

# MADAGASCAR

April 2012



## At a Glance: Madagascar

Population (2012): 22.6 million<sup>1</sup>

Population at risk of malaria (2010): 100%<sup>2</sup>

Estimated annual malaria deaths/100,000 population (2008): 8<sup>3</sup>

Under-five mortality rate (2009): 72/1,000 live births, or approximately 1 in 14 children die before their fifth birthday<sup>4</sup>

<sup>1</sup>US Census Bureau, International Data Base 2012

<sup>2</sup>WHO World Malaria Report 2010

<sup>3</sup>WHO World Health Statistics 2011

<sup>4</sup>Demographic and Health (DHS) Survey 2009

## Background

Malaria is a major health problem in Madagascar, and while its epidemiology varies considerably in different regions of the country, the entire population is considered to be at risk for the disease. On the east coast, transmission is stable and perennial, and the west coast has one long, rainy transmission season and a brief dry season. Almost one-third of the Central Highlands is above 1,500 meters elevation, where malaria transmission rarely occurs.

Malaria cases and deaths reported through the national health management information system have declined over the period of 2003–2009, but malaria remains a leading cause of deaths for children under five. Following the political crisis and *coup d'état* in March 2009, all U.S. Government support to the current government, from the central Ministry of Health to the primary care health facility level, was suspended until a freely and fairly elected government is in place. The fiscal year (FY) 2012 Malaria Operational Plan was developed based on the assumption that U.S. Government suspensions will remain in place.

## The President's Malaria Initiative (PMI)

Madagascar is one of 19 focus countries benefiting from the President's Malaria Initiative (PMI), which is led by the U.S. Agency for International Development and implemented together with the U.S. Centers for Disease Control and Prevention. PMI was launched in 2005 as a five-year (FY 2006–2010), \$1.265 billion expansion of U.S. Government resources to reduce the burden of malaria and help relieve poverty on the African continent. The 2008 Lantos-Hyde Act authorized an extension of PMI funding through FY 2013. With congressional authorization and the subsequent launch of the U.S. Government's Global Health Initiative, PMI's goal was expanded to achieve Africa-wide impact by halving the burden of malaria in 70 percent of the at-risk populations on the continent (i.e., approximately 450 million residents), thereby removing malaria as a major public health problem and promoting development throughout the African region.

To reach its goal, PMI works with national malaria control programs and coordinates its activities with national and international partners, including the Roll Back Malaria Partnership; The Global Fund to Fight AIDS, Tuberculosis and Malaria; the World Health Organization (WHO); the World Bank; the U.K. Department for International Development; numerous nongovernmental organizations, including faith-based and community groups; and the private sector.

## Key Interventions

In line with Madagascar's national malaria control strategy, PMI supports four major malaria prevention and treatment measures:

- [Insecticide-treated mosquito nets \(ITNs\)](#)
- [Indoor residual spraying \(IRS\)](#)
- [Intermittent preventive treatment for pregnant women \(IPTp\) with sulfadoxine-pyrimethamine \(SP\)](#)
- [Diagnosis with rapid diagnostic tests \(RDTs\) or microscopy and treatment with artemisinin-based combination therapy \(ACT\)](#)

## Progress to Date

The table below shows key results from nationwide household surveys.

Madagascar Malaria Indicators	PMI Baseline (DHS 2009)	MIS 2011 (Preliminary)
All-cause under-five mortality rate	72/1,000	-
Proportion of households with at least one ITN	57%	80%
Proportion of children under five years old who slept under an ITN the previous night	46%	76%
Proportion of pregnant women who slept under an ITN the previous night	46%	71%
Proportion of women who received two or more doses of IPTp during their last pregnancy in the last two years	6%	20%

Madagascar is in its fifth year as a PMI focus country. With support from PMI and other partners, malaria control interventions are being scaled up, and critical commodities are being distributed to vulnerable populations.

PMI Contributions <sup>1,2</sup>	2008	2009	2010	2011	Cumulative
IRS: Houses sprayed	422,132	216,060	576,320	576,320	n/a <sup>3</sup>
IRS: Residents protected	2,561,034	1,274,809	2,895,058	2,895,058	n/a <sup>3</sup>
ITNs procured	351,900	1,875,007	1,715,000	0	3,941,907
ITNs distributed	351,900	1,005,007	2,579,720	2,217,074	3,936,627
ITNs procured by other donors and distributed with PMI support	-	290,636	3,204,647	2,772,824	3,495,283
ACTs procured	0	0	0	100,025	100,025
ACTs distributed	0	0	0	0	0
ACTs procured by other donors and distributed with PMI support	-	519,338	396,470	124,118	1,025,306
RDTs procured	0	0	270,000	1,500,000	1,770,000
RDTs distributed	0	0	202,031	248,329	340,880
Health workers trained in treatment with ACTs	-	1,696	4,575	8,039	n/a <sup>4</sup>
Health workers trained in malaria diagnosis	0	108	2,701	8,932	n/a <sup>4</sup>
Health workers trained in IPTp	0	0	1,576	3,370	n/a <sup>4</sup>

<sup>1</sup> The data reported in this table are up-to-date as of September 30, 2011.

<sup>2</sup> The cumulative count of commodities procured and distributed takes into account the three-month overlap between Year 5 (covering the 2010 calendar year) and Year 6 (covering the 2011 fiscal year).

<sup>3</sup> A cumulative count of the number of houses sprayed and residents protected is not provided since some areas have been sprayed on more than one occasion.

<sup>4</sup> A cumulative count of individual health workers trained is not provided since some health workers have been trained on more than one occasion.

PMI Funding	FY 2007 Jump start funds	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
<b>Budget</b> (in millions)	\$5.0	\$16.8	\$16.7	\$33.9	\$28.7	\$27.0

For details on FY 2012 PMI activities in Madagascar, please see the **Madagascar Malaria Operational Plan**: [http://pmi.gov/countries/mops/fy12/madagascar\\_mop\\_fy12.pdf](http://pmi.gov/countries/mops/fy12/madagascar_mop_fy12.pdf).

