

ZAMBIA

April 2012



At a Glance: Zambia

Population (2012): 14.3 million¹

Population at risk of malaria (2010): 100%²

Estimated annual malaria deaths/100,000 population (2008): 104³

Under-five mortality rate (2007): 119/1,000 live births, or approximately 1 in 8 children die before their fifth birthday⁴

¹ US Census Bureau, International Data Base 2012

² WHO World Malaria Report 2011

³ WHO World Health Statistics 2011

⁴ Demographic and Health Survey (DHS) 2007

Background

In Zambia, malaria transmission occurs throughout the year, with a peak during the rainy season between November and April. All nine provinces of the country are endemic for malaria. In the last five years, evidence from routine information systems, national surveys, and focused studies have consistently shown declining malaria trends. Although there are clear signs of improvement, malaria continues to be a major cause of morbidity and mortality in Zambia, and control of the disease is one of the government's highest priorities.

The President's Malaria Initiative (PMI)

Zambia 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 (fiscal 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 (DFID); numerous nongovernmental organizations, including faith-based and community groups; and the private sector.

Key Interventions

In line with Zambia'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 household surveys.

Zambia Malaria Indicators	PMI Baseline	MIS 2008	MIS 2010
All-cause under-five mortality rate	168/1,000 (DHS 2001–2002)	119/1,000 (DHS 2007)	-
Proportion of households with at least one ITN	38% (MIS 2006)	62%	64%
Proportion of children under five years old who slept under an ITN the previous night	24% (MIS 2006)	41%	50%
Proportion of pregnant women who slept under an ITN the previous night	25% (MIS 2006)	43%	46%
Proportion of women who received two or more doses of IPTp during their last pregnancy in the last two years	57% (MIS 2006)	60%	69%

Zambia is in its sixth year as a PMI focus country. With support from PMI and its partners, malaria control interventions are being implemented, and vital commodities are being distributed to vulnerable populations.

PMI Contributions ^{1,2}	2007	2008	2009	2010	2011	Cumulative
IRS: Houses sprayed	657,695	762,479	1,189,676	1,102,338	1,102,338	n/a ³
IRS: Residents protected	3,600,000	4,200,000	6,500,000	4,056,930	4,056,930	n/a ³
ITNs procured	808,332	186,550	433,235	1,800,000	1,760,146 ⁴	3,588,263
ITNs distributed	550,017	444,865	433,235	400,000	1,760,146	3,588,263
ACTs procured	-	495,360	0	2,390,400 ⁵	1,688,160 ⁵	3,936,960
ACTs distributed	-	80,640	173,160	2,257,920	1,688,160	3,562,920
RDTs procured	979,000	1,639,000	2,070,000	4,804,500	2,337,450 ⁶	9,575,850
RDTs distributed	-	979,000	1,250,000	2,550,400	2,337,450	4,862,750
SP treatments procured	-	0	666,666	0	3,083,300 ⁷	3,749,966
SP treatments distributed	-	0	0	666,666	3,083,300	3,749,966
Health workers trained in malaria diagnosis	-	0	36	0	37	n/a ⁸
Health workers trained in IPTp	-	-	63	0	0	n/a ⁸
Health workers trained in treatment with ACTs	-	186	197	0	493	n/a ⁸

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

² 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).

³ 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.

⁴ In addition to the ITNs procured with USAID funds, 1 million ITNs were procured in FY 2011 with a donation from DFID.

⁵ In addition to the ACTs procured with USAID funds, 1,599,360 ACTs were procured in 2010 and 3,805,560 ACTs were procured in FY 2011 with a donation from DFID.

⁶ In addition to the RDTs procured with USAID funds, 1,350,000 RDTs were procured in FY 2011 with a donation from DFID.

⁷ In addition to the SP treatments procured with USAID funds, 2,250,000 SP treatments were procured in FY 2011 with a donation from DFID.

⁸ 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
Budget (in millions)	\$9.5	\$14.8	\$14.7	\$25.6	\$23.9	\$24.0

For details on FY 2012 PMI activities in Zambia, please see the **Zambia Malaria Operational Plan**:
http://www.pmi.gov/countries/mops/fy12/zambia_mop_fy12.pdf.

