

The 2023 Rwanda Malaria Indicator Survey (2023 RMIS) was implemented by the Malaria and Other Parasitic Diseases Division (MOPDD) of the Rwanda Biomedical Center, Ministry of Health. Financial support for the survey was provided by the U.S. President's Malaria Initiative (PMI) and The Global Fund to Fight AIDS, Tuberculosis and Malaria. ICF provided technical assistance through The DHS Program, which is funded by the United States Agency for International Development (USAID) and offers support and technical assistance in implementing population and health surveys in countries worldwide.

The primary objectives of the 2023 RMIS were to measure the level of ownership and use of mosquito nets; identify treatment practices, including the use of specific antimalarial medications to treat malaria among children age 6–59 months; measure the prevalence of malaria among all household populations, including children age 6–59 months and pregnant women; and assess knowledge, attitudes, and practices related to malaria among women age 15–49.

This table provides estimates of key indicators for the country and for each of the five provinces in Rwanda. In the case of insecticide-treated net (ITN) indicators, it provides estimates for 18 non-IRS districts in lieu of national estimates. A comprehensive analysis of the 2023 RMIS data will be presented in a final report.

Additional information about the 2023 RMIS may be obtained from the Malaria and Other Parasitic Diseases Division (MOPDD) of the Rwanda Biomedical Center, Head Office, K. G. 203 Street, P.O. Box 83, Kigali, Rwanda; telephone: 250-78-830-6814; email: [m.murindahabi@rbc.gov.rw](mailto:m.murindahabi@rbc.gov.rw); internet: [www.rbc.gov.rw](http://www.rbc.gov.rw).

Information about The DHS Program may be obtained from ICF, 530 Gaither Road, Suite 500, Rockville, MD 20850, USA; telephone: +1-301-407-6500; fax: +1-301-407-6501; email: [info@DHSprogram.com](mailto:info@DHSprogram.com); internet: [www.DHSprogram.com](http://www.DHSprogram.com).

**Republic of Rwanda**



# Rwanda Malaria Indicator Survey (RMIS)

## Key Indicators

**2023**

**Malaria and Other Parasitic Diseases Division  
of the  
Rwanda Biomedical Center  
Ministry of Health  
Kigali, Rwanda**

**The DHS Program  
Rockville, Maryland USA**

**April 2023**



## Key Malaria Indicators from the 2023 Rwanda Malaria Indicator Survey

Malaria Indicators	Total	Province				
		Kigali	South	West	North	East
<b>INSECTICIDE-TREATED NETS (ITNs)<sup>1</sup></b>						
<b>18 Non-IRS Districts<sup>2</sup></b>						
Percentage of households with at least one ITN	80.2	63.7	82.8	84.5	88.9	na
Percentage of households with at least one ITN for every two persons who stayed in the household last night	55.4	40.1	56.2	59.6	63.7	na
Percentage of children under age 5 who slept under an ITN last night	69.7	63.2	66.3	72.7	73.3	na
Percentage of pregnant women age 15–49 who slept under an ITN last night	69.8	62.2	92.6	77.1	61.6	na
Percentage of the de facto population with access to an ITN	71.6	56.9	71.9	75.5	79.1	na
Percentage of the de facto household population who slept the night before the survey under an ITN in households owning at least one ITN	78.7	79.5	77.0	81.3	75.4	na
<b>PREVALENCE, DIAGNOSIS, AND PROMPT TREATMENT OF CHILDREN WITH FEVER</b>						
<b>National Estimates</b>						
Among children under age 5 with a fever in the 2 weeks preceding the survey, percentage for whom advice or treatment was sought <sup>3</sup>	61.8	68.2	65.4	54.8	62.7	59.6
Among children under age 5 with a fever in the 2 weeks preceding the survey, percentage who had blood taken from a finger or heel for testing	30.2	43.2	41.0	26.3	20.3	23.2
Among children under age 5 with a fever in the 2 weeks preceding the survey who took any antimalarial medication, percentage who received ACT <sup>4</sup>	97.8	92.4	100.0	100.0	100.0	100.0
<b>MALARIA PARASITEMIA</b>						
<b>National Estimates</b>						
Percentage of children age 6–59 months with a positive rapid diagnostic test	1.0	2.6	1.8	0.3	0.6	0.4
Percentage of children age 5–14 with a positive rapid diagnostic test	1.3	2.9	1.4	0.5	1.1	1.4
Percentage of adults age 15 or older with a positive rapid diagnostic test	0.8	2.0	0.9	0.2	1.0	0.5
Percentage of all household members with a positive rapid diagnostic test	1.0	2.2	1.1	0.3	1.0	0.8
Percentage of children age 6–59 months with a positive microscopy result	0.6	1.9	0.5	0.4	0.0	0.4
Percentage of children age 5–14 with a positive microscopy result	0.7	1.8	0.8	0.3	0.7	0.4
Percentage of adults age 15 or older with a positive microscopy result	0.4	1.0	0.3	0.2	0.4	0.3
Percentage of all household members with a positive microscopy result	0.5	1.3	0.5	0.3	0.4	0.3

na = not applicable

<sup>1</sup> An insecticide-treated net (ITN) is a factory-treated net that does not require any further treatment. In the 2010 RDHS, 2013 RMIS, and 2014–15 RDHS, this was known as a long-lasting insecticidal net (LLIN).

<sup>2</sup> The 18 non-IRS districts include: Nyarugenge, Gasabo, Kicukiro (Kigali city); Nyaruguru, Nyamagabe, Muhanga (South province); Karongi, Rutsiro, Rubavu, Nyabihu, Ngororero, Rusizi, Nyamasheke (West province); Rulindo, Gakenke, Musanze, Burera, Gicumbi (North province).

<sup>3</sup> Excludes advice or treatment from a traditional practitioner

<sup>4</sup> ACT = artemisinin-based combination therapy