

# MALARIA

is spread by the bite of an infective female *Anopheles* mosquito. The disease can cause fever, chills, and flu-like illness. If it is not treated, it can cause severe complications and death.

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Malaria remains a ***preventable cause of serious death and illness worldwide***, including in the U.S.



**3.2 billion people**  
– almost half the  
world's population –  
are at risk



**219 million people**  
became ill from malaria  
in 2017



**435,000 people died**  
from malaria in 2017



**\$12 billion per year**  
in economic losses in  
Africa alone

Malaria is still a threat to Americans, travelers, military, and citizens living and working abroad.  
On average, **1,700 cases diagnosed** each year in the U.S.

## DEMONSTRATED SUCCESS

Malaria's toll would be much higher without the efforts of the U.S. Government, including CDC, and global partners.

With the massive scale-up of malaria prevention and treatment interventions:



**Globally, almost 7 million lives** were saved since 2001 and



**Malaria deaths in Africa were cut by more than half**

## CDC's EFFORTS

CDC provides scientific leadership and innovation to fight malaria, working hand-in-hand with Ministries of Health, other U.S. Government agencies, and partners.



**Providing**  
scientific leadership  
and technical  
assistance to guide  
countries and  
partners



**Improving data**  
for decision-making



**Scaling up**  
interventions through  
the U.S. President's  
Malaria Initiative (PMI)



**Conducting**  
innovative research to  
improve diagnostics,  
antimalarial drugs,  
vaccines, tools to  
control mosquitoes



**Preventing  
and treating**  
malaria in the U.S.

## SPOTLIGHT ON KEY CDC ACTIVITIES



Serves as the WHO Collaborating Center for Prevention and Control of Malaria and participates on advisory and technical working groups to inform and improve global programs.



Tracks reported malaria cases to prevent re-introduction to the U.S., provides guidance to travelers, and advises physicians on prevention, diagnosis, and treatment



Co-implements U.S. President's Malaria Initiative (PMI), which is led by USAID, and advises on surveillance, monitoring and evaluation, and research



Operates a state-of-the-art insectary to help understand mosquito behavior and how to control the spread of malaria



CDC's world-renowned labs support diagnostic tools and build capacity of states and countries to diagnose malaria. Tests malaria rapid diagnostic test products from various manufacturers for compliance with standards, preferred practices for labeling, and instructions for use.



Provides technical leadership to help eliminate malaria in Haiti and the Dominican Republic through Malaria Zero, creating a malaria-free zone across the Caribbean

## WHAT'S NEEDED?

**Continued scale up**  
in countries hardest  
hit by malaria, with  
insecticide-treated  
nets, indoor spraying,  
effective diagnostics  
and treatment,  
and prevention in  
pregnant women

**Improved surveillance  
systems** to monitor  
progress and target  
interventions to where  
they are most needed

**Monitoring and  
mitigation** of threats  
from insecticide and  
drug resistance

**Evaluation** of new  
vaccines, diagnostics,  
and vector control tools

**Use of targeted  
strategies** to reduce  
and interrupt  
transmission

### FOR MORE INFORMATION

To learn more about CDC's work to prevent, control, and eliminate malaria around the world, visit <https://www.cdc.gov/malaria>

