

DISEASE 101:

# Marburg Virus Disease



## What is Marburg?

Marburg virus disease is a **hemorrhagic fever** that can disrupt the body's clotting system and lead to **internal bleeding**.



## Did You Know?

Marburg virus disease outbreaks have recently emerged in countries that had never reported cases, including Rwanda and Tanzania.

**There are no approved vaccines and treatments for Marburg virus disease.**



Sabin is one of a few organizations developing a vaccine for Marburg. Phase 2 clinical trials are currently underway in Uganda and Kenya.

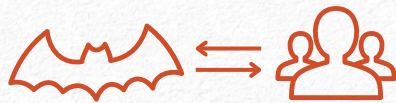
Fatality rates can be as high as

**[88%]**

## Disease Transmission

### INITIAL CONTACT

Transmitted to people from fruit bats.



### SECONDARY SPREAD

Person-to-person transmission occurs through contact with bodily fluids of infected people.



## Symptoms

Early symptoms include:



**HIGH FEVER**



**ACUTE HEADACHE**



**EXTREME FATIGUE**

As the disease progresses, severe symptoms include:



**PANCREATIC INFLAMMATION**



**LIVER & IMMUNE SYSTEM FAILURE**



**SHOCK**



**MASSIVE HEMORRHAGING**

## By the Numbers

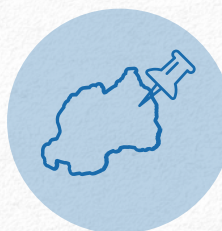
There have been **13+ outbreaks** of Marburg virus disease since 1980

Almost all outbreaks occurred in Sub-Saharan Africa:



**2024: Rwanda**

**2023: Tanzania and Equatorial Guinea**



Most recent outbreak:  
**Rwanda (2024)**

Largest and deadliest outbreak:  
**Angola (2004–2005)**

**252 CASES**

**227 DEATHS**



Sources: [WHO](#), [CEPI](#) & [NIH](#) | Updated October 2024

from **VACCINES** to **VACCINATIONS**