

Marburg Virus Disease (MVD) in Equatorial Guinea and Cameroon

Equatorial Guinea confirmed its first ever outbreak of Marburg Virus Disease on 2/13/2023. At least nine people have died from this illness in the Kie-Ntem Province, which is on the northern border, bordering Cameroon. As of 14 February 2023, there have been 9 deaths and 16 suspected cases of individuals who have experienced fever, fatigue, bloody vomit, and diarrhea. Neighboring nation Cameroon reported 2 suspected cases in a border region with Equatorial Guinea as of 14 February.

Marburg Virus Disease is a viral hemorrhagic fever caused by a relative of Ebola virus. It is highly contagious and spread through direct contact with bodily fluids. Clinical presentation started with nonspecific symptoms such as fever, malaise, body aches, abdominal pain, nausea, diarrhea, and vomiting. The disease may progress to involve the central nervous system, at which point tiredness, delirium, and coma may occur. After this point, the patient may develop wasting and/or hemorrhagic symptoms. This may occur in 50% of cases. After 14 days, patients usually improve or die due to multiorgan dysfunction and failure or disseminated intravascular coagulation (DIC). Case fatality has ranged from 25% to 80%.

There is currently not a vaccine or treatment available for Marburg Virus Disease.

The natural host of MARV is the adorable Rousettus fruit bat.

Incubation Period: 2-21 days, average 3-9

Transmission: Direct, bodily fluids (e.g. blood, saliva, semen)

There are currently no global travel restrictions in place, though Cameroon and EG are restricting movement in the province and in the immediate area around their shared border.

What do we know right now:

Who: Individuals who have had direct contact with bodily fluids of an infected person

What: Marburg Virus

When: 7 January to present

Where: Equatorial Guinea and Cameroon, particularly the province of Kie-Ntem in EG and the southern border regions of Cameroon

[WHO](#)

[CDC, More Resources](#)

[Infection Prevention Resources](#) (says its for Ebola, applied to MVD)

[Appendix 2: Marburg Virus. Transfusion Volume 29, August 2009 Supplement.](#) AABB.

PPE Recommendations for Viral Hemorrhagic Fevers: [Unstable, Bleeding/Vomiting/Diarrhea](#); [Stable, no Bleeding/Vomiting/Diarrhea](#)