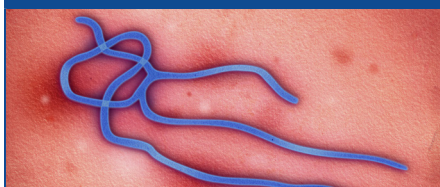


# Ebola Virus Disease (EVD)

## Overview













Ebola virus disease (EVD) first appeared in 1976 in the Democratic Republic of the Congo and is primarily found in sub-Saharan Africa. Since then, Ebola periodically emerges in several African countries. EVD is a severe disease with an extremely high mortality rate. Person-to-person spread occurs from direct contact with infected person's body fluids or contact with contaminated surfaces. The risk of importation to countries outside of Africa is low. This high-consequence disease necessitates strict adherence to enhanced infection prevention and control measures.<sup>1,2,3</sup>

## About the Pathogen & Infection Control Measures

<b>Infectious Agent (Pathogen)<sup>1</sup></b>	<b>Agent Type:</b> Virus (enveloped)	<b>Taxonomy:</b> ▶ <b>Family:</b> Filoviridae ▶ <b>Genus:</b> Orthoebolavirus ▶ <b>Species:</b> Zaire, Bundibugyo, Sudan, Taï Forest
<b>Infectious Characteristics<sup>1,2</sup> Definitions:</b> ▶ Infectious dose—number of organisms necessary to cause disease. ▶ Incubation period—the time from exposure to infection with symptoms. ▶ Period of communicability—time when a pathogen can be transmitted from one person to another. ▶ Mortality rate—the number of deaths due to a disease divided by the total population.	<b>Incubation period:<sup>8</sup></b>  <b>Period of communicability:</b>  <b>Signs &amp; symptoms:</b>  <b>Duration of illness:</b>	2-21 days (8-10 days on average)  As long as the infected person is symptomatic and as long as their body contains the virus even after they have died.  Starts with “dry” symptoms: fever, fatigue, muscle pain, headache, sore throat. As the person becomes sicker, illness progresses to “wet” symptoms: vomiting, diarrhea, rash, internal and external bleeding.  High rate of morbidity and mortality. Ebola can cause serious illness that, without treatment, can cause death. Mortality as high as 80-90%.
<b>Reservoir<sup>2</sup></b> —where the pathogen normally lives/grows	Infected humans; Animals (bats, forest antelopes, primates)	
<b>Mode(s) of Transmission<sup>2</sup></b> How the Infection Spreads	Contact with the body fluids of an infected or dead person, contaminated environmental surfaces or medical supplies/equipment. Splashes to mucous membranes are particularly hazardous. Aerosol-generating procedures can also result in transmission. Rarely, some people can get the disease from contact with an infected animal.	
<b>Survival on Surfaces<sup>9</sup></b>	Up to 50 days	
<b>Immunization/Treatment<sup>2</sup></b>	There is an FDA-approved vaccine (ERVEBO) for the prevention of EVD (Zaire species). There are 2 FDA-approved treatments for EVD (Zaire species): Inmazeb and Ebanga. Supportive care such as IV fluids increases chances of survival.	
<b>Infection Control Measures</b> Note: For Ebola, enhanced IPC measures are required. Healthcare workers caring for Ebola patients must have received comprehensive IPC training with competency. Designated PPE donning & doffing areas with a trained observer are required at all times.	<b>Healthcare-Specific Measures:<sup>2,10</sup></b> ▶ <b>Isolation Precautions:</b> Enhanced transmission-based precautions in a private room. Use an AIRR for aerosol-generating procedures. Learn more <a href="#">here</a> . ▶ <b>PPE:</b> Impermeable gown or coveralls, apron, respirator, full face protection, double gloves with extended cuffs, shoe covers. Learn more <a href="#">here</a> . ▶ <b>Hand Hygiene:</b> Wash with soap and water if hands are visibly soiled, otherwise alcohol-based hand rubs are acceptable. ▶ <b>Linens/Cleaning Cloths:</b> Discard (Category A waste) ▶ <b>Waste Management:</b> Category A. Securely store waste while awaiting disease confirmation. Learn more <a href="#">here</a> . ▶ <b>Other:</b> Maintain a log of all people entering the room.	
<b>Cleaning &amp; Disinfection<sup>5</sup></b>	The CDC recommends use of a disinfectant that is registered with the Environmental Protection Agency (EPA) from <a href="#">List L</a> (disinfectants effective against Ebola virus) or <a href="#">List Q</a> with an emerging viral pathogen (EVP) claim. To limit the number of people entering the patient room, only nurses or physicians should clean and disinfect in the patient care areas. Use disposable cleaning cloths or wipes. Wearing appropriate PPE, disinfect contaminated surfaces following all manufacturer directions for use, including concentration, contact time, and care and handling. Regularly clean and disinfect surfaces and equipment in the patient care area. The basic principles for blood and body fluid spill management as outlined by <a href="#">OSHA</a> should be followed. Learn more <a href="#">here</a> .	

## Clorox Product Recommendations

The following CloroxPro cleaner disinfectants either have an EPA registered Ebola claim ([EPA List L](#)) or have demonstrated effectiveness against viruses similar to the Ebola virus on hard, nonporous surfaces ([EPA List Q](#)). Therefore, these products can be used against the Ebola virus when used in accordance with the directions for use against the viruses listed in the table below on hard, nonporous surfaces. Refer to the [CDC website](#) for additional information.

Products for use against Ebola virus				EPA Reg. No.	Ebola Contact Time (EPA List L)	
Professional Disinfectants						
<a href="#">CloroxPro Clorox Germicidal Bleach</a>				67619-32	5 minutes	
Item No. 30966	121 fl. oz. Bottle	3/case				
<a href="#">CloroxPro Clorox Clean-Up Disinfectant Cleaner with Bleach</a>				67619-17	30 seconds	
Item No. 31903	32 fl. oz. Spray	9/case				
Item No. 31910	128 fl. oz. Refill	4/case				
<a href="#">CloroxPro Clorox Disinfecting Wipes</a>				67619-31	20 seconds	
Item No. 15949	75 ct. Canister	6/case				Fresh Scent
Item No. 15948	75 ct. Canister	6/case				Lemon Scent
Item No. 31547	700 ct. Bucket	1/case				Fresh Scent
Item No. 31428	700 ct. Bucket Refill	2/case				Fresh Scent
Healthcare Disinfectants				EPA Reg. No.	Ebola Contact Time (EPA List Q)	
<a href="#">Clorox Healthcare Bleach Germicidal Wipes</a>				67619-12	Canine Parvovirus (3 minutes)	
Item No. 30577	6" x 5" 150 ct. Canister	6/case				
Item No. 35309	6.75" x 9" 70 ct. Canister	6/case				
Item No. 32621	6.75" x 9" 100 ct. Softpack	9/case				
Item No. 31424	6.75" x 9" 50 ct. Individual	6/case				
Item No. 30358	12" x 12" 110 ct. Bucket	2/case				
Item No. 30359	12" x 12" 110 ct. Bucket Refill	2/case				
<a href="#">Clorox Healthcare Bleach Germicidal Cleaner</a>				56392-7	Norovirus (3 minutes)	
Item No. 68970	32 fl. oz. Spray	6/case				
Item No. 68978	128 fl. oz. Refill	4/case				
<a href="#">Dispatch Wipes</a>				56392-8	Adenovirus (1 minute)	
Item No. 69150	6.75" x 8" 150 ct. Canister	8/case				
<a href="#">Clorox Healthcare Fuzion Cleaner Disinfectant</a>				67619-30	Norovirus (1 minute)	
Item No. 31478	32 fl. oz. Spray	9/case				
<a href="#">Clorox Healthcare Spore<sup>10</sup> Defense Cleaner Disinfectant</a>				67619-40	Rhinovirus (1 minute)	
Item No. 32409	128 fl. oz. Bottle	4/case				
<a href="#">Clorox Healthcare Hydrogen Peroxide Cleaner Disinfectant Wipes</a>				67619-37	Norovirus (2 minutes)	
Item No. 30824	6.75" x 9" 95 ct. Canister	6/case				
Item No. 30825	6.75" x 5.75" 155 ct. Canister	6/case				
Item No. 30826	12" x 11" 185 ct. Bucket	2/case				
Item No. 30827	12" x 11" 185 ct. Bucket Refill	2/case				
<a href="#">Clorox Healthcare Hydrogen Peroxide Cleaner Disinfectant Cleaner</a>				67619-24	Rhinovirus (1 minute)	
Item No. 30828	32 fl. oz. Spray	9/case				
Item No. 30829	128 fl. oz. Refill	4/case				

### References:

1. WHO. Ebola virus disease [Internet]. [cited 2025 Mar 7]. Available from <https://www.who.int/news-room/fact-sheets/detail/ebola-virus-disease>
2. CDC. Ebola [Internet]. [cited 2025 Mar 7]. Available from <https://www.cdc.gov/ebola/about/index.html>
3. APIC. About Ebola [Internet]. [cited 2025 Mar 07]. Available from <https://apic.org/ebola/>
4. Kramer A, et al. How long do bacteria, fungi, protozoa, and viruses and retain their replication capacity on inanimate surfaces? A systematic review. Clin Micro Review. 2024;37(4).
5. CDC. Viral Hemorrhagic Fevers [Internet]. [cited 2025 Mar 07]. Available from <https://www.cdc.gov/viral-hemorrhagic-fevers/about/index.html>

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