





Key features of the outbreak in West Africa
Localized outbreaks (hotspots or hubs of transmission)

- The initial epicenter is in the forest region along the border areas of Guinea, Liberia, and Sierra Leone
- It is amplified by intensive commercial and social activities. Other hotspots are in the densely populated urban areas with intense transmission in Monrovia (Liberia) and Freetown in Sierra Leone, and various rural areas in the affected countries.
 - There is also limited transmission in Lagos and port Harcourt in Nigeria initiated through an imported case from Liberia as well as in Senegal (1 imported case from Guinea by land crossing)

7 Key Measures for Prevention and Control of Ebola Virus Disease

Key interventions to stop EVD transmission
1. Early isolation of patients to prevent transmission at home and in the community

In addition to isolation, Ebola treatment centres provide safe care and psychosocial support and contribute to surveillance through identification of contacts

2. Early detection of new Ebola cases through close monitoring of contacts and isolation of contacts when they show symptoms
3. Safe burials: to reduce transmission through contact with dead bodies, whether during preparation of the body for burial or during the funeral ceremony

Laboratory diagnostic and social mobilization are critical to support the above mentioned interventions

8 Key Measures for Prevention and Control of Ebola Virus Disease

World Health

Geographical distribution of new and total cases
in Guinea, Liberia, and Sierra Leone
MAP DATE: 10 September
Recent Cases (21 Days Prior) All cases
911-200 911-200
21-30 21-30
301-600 301-600 COT
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9 Key Measures for Prevention and Control of Ebola Virus Disease World Health Organization

















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Use of PPE based on risk assessment						
SCENARIO	HAND HYGIENE	GLOVES	GOWN	MEDICAL MASK	EYEWEAR	
Always before and after patient contact, and after contaminated environment	1					
If direct contact with blood and body fluids, secretions, excretions, mucous membranes, non-intact skin	1	1				
If there is risk of splashes onto the health care worker's body	1	1	1			
If there is a risk of splashes onto the body and face	1	1	1	1	\checkmark	
22 Key Measures for Prevention and Control of Ebola Virus Disease World Health Organization						



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Percutaneous or muco-cutaneous Managing exposure exposure: what to do? Immediately report the incident to the local coordinator Persons including HCWs with percutaneous or muco-cutaneous - This is a time-sensitive task and should be performed as soon as the HCW leaves the patient exposure to blood, body fluids, secretions, or excretions from a care uni patient with suspected or confirmed HF should: - immediately and safely stop any current tasks, leave the patient care area. - safely remove PPE · exposure during PPE removal can be just as dangerous exposure - immediately after leaving the patient care area, wash the affected skin surfaces or the percutaneous injury site with soap and water accordingly, irrigate mucous membranes (e.g. conjunctiva) with copious amounts of water or an eyewash solution, and not with chlorine solutions or other disinfectants 67 Key Measures for Prevention and Control of Ebola Virus Disease

 Exposed persons should be medically evaluated including for other potential exposures (e.g., HIV, HCV) and receive follow-up care, including fever monitoring, twice daily for 21 days after the incident Immediate consultation with an expert in infectious diseases is recommended for any exposed person who develops fever within 21 days of HCWs suspected of being infected should be cared for/isolated, and the IPC precautions must be applied until a negative diagnosis is confirmed Contact tracing and follow-up of family, friends, co-workers and other patients, who may have been exposed to Ebola virus through close contact with the infected HCW is essential

68 Key Measures for Prevention and Control of Ebola Virus Disease



IPC training and reinforcement after training • Importance of standard precautions in all outpatient and inpatient care - Many HCW infections from failure to apply standard precautions, rather than PPE in treatment centre • PPE - putting on and taking off is a skill - not just knowledge that can be conveyed by demonstration needs practice - needs ongoing supervision by dedicated supervisor Importance of safe work set-up and consistent practices 69 Key Measures for Prevention and Control of Ebola Virus Disease



March 7 How to prevent the spread of multiresistant bacteria Dr. Stephan Harbarth, Switzerland

April 9 Highlights on SSI prevention: The new CDC guidelines and more Dr. Joseph Solomkin, USA

Clean Care is Safer Care Special lecture for International Hand

Prof. Didier Pittet, Switzerland

New WHO global campaign to eliminate

unsafe therapeutic injections Dr. Benedetta Allegranzi, Switzerland

October 8

Public reporting and disclosure of HAI rates: Positive impact or confusion? Dr. Maryanne McGuckin & Mr. John Govednik, USA

November 5

Global application of behaviour change models and infection control strategies Dr. Michael Borg, Malta

