Preparing the Health System for Ebola



PROPOSED LEVELS OF CARE



Infection Control

 Ebola is spread by direct contact with body fluids from an Ebola patient through the mouth, eyes, or broken skin

- You can prevent spread of Ebola through:
 - Chemical barriers
 - 0.05% chlorine for hand washing
 - 0.5% chlorine for environmental disinfection
 - Physical barriers
 - Separate Ebola patients from non-Ebola patients and workers





PREPARING THE HEALTHCARE FACILITY

Preparing the Healthcare Facility

 Both patients <u>with</u> Ebola and patients <u>without</u> Ebola patients will visit your healthcare facility for care

 It is important you have a screening process in place to identify patients with Ebola and separate them from non-Ebola patients and healthcare workers.



Physical Barriers

- Divide the healthcare facility into separate areas
 - Screening area: screen all patients coming to the clinic for Ebola
 - Isolation area: for suspect Ebola patients
 - Clean area: for healthcare workers and non-Ebola patients
- Adjust patient flow within the facility to lower risk of spreading the disease to others
- Teach all staff how to safely wear PPE as needed



 Area where ALL patients will be screened for signs and symptoms of Ebola

• Located outside the clinic but protected from the sun

• ALL patients, visitors and staff coming to the clinic must pass through the screening area



- Screeners must wear face mask, gown, and gloves
- Stay at least 3 feet away from the patient at all times
- Do not sit face-to-face with the patient



- Screener will ask all patients for signs and symptoms of Ebola:
 - Patients suspected of having Ebola are sent to the isolation area, while awaiting transfer to an Ebola care center or ETU.
 - Clean this area thoroughly after the patient leaves
 - All other patients are allowed to enter the clean area



- If the patient is suspected of having Ebola:
 - Tell the patient what is happening
 - Send patient to the isolation area
 - Transfer to an Ebola care center or ETU immediately
 - Encourage patient to drink fluids/ORS
 - DO NOT perform physical exam
 - DO NOT perform rapid diagnostic test for malaria



• Each facility should identify a safe place to screen and isolate patients.

 The following example was used in an outpatient clinic. However, you should adapt these principles to your healthcare setting.











Isolation Area

- Area ONLY for suspect or confirmed Ebola patients
- Must be separate from the main ward
 - Separate room OR separate building OR tent outside
- Supplies
 - Separate drinking cups
 - Separate Latrine pots
 - Separate toilet (outside the facility)

For Suspect or Confirmed Ebola patients only





Toilet for isolation patients











Clean Area

- Clean area for clinic workers and non-Ebola patients
- Everyone MUST be screened for signs and symptoms of Ebola before entering the clean area

































Patient entrance with hand washing station



Training on correct hand washing



View of the Clean Area for healthcare workers and patients who do not have Ebola





View of the Isolation Area for patients suspected of having Ebola







Digging a hole for burning medical waste



Community members digging a toilet for Ebola patients





PREPARING AN EBOLA CARE CENTER (ECC)



Ebola Care Centers (ECC)

- After a patient has been identified as a suspect Ebola case at your hospital or health center, they should be transferred to an Ebola Care Center
- The following slides provide general guidelines about ECCs, which will be in a separate area from the healthcare facility



Ebola Care Centers (ECC)

 Established and managed by a healthcare facility, even if it is not at the same place as the facility

- Size of ECC:
 - Hospitals can take up to 30 patients
 - Healthcare centers can take up to 15 patients



Setting up the ECC





"Wet" symptoms: vomiting, diarrhea, bleeding, etc. "Dry" symptoms: those without wet symptoms

Setting up the ECC

- Have a place to put on PPE
 - Clean space separate from patient area
 - Should be stocked with necessary supplies
- PPE removal area
 - Prevent contamination with clean area
 - Should have place to discard waste and wash hands



Example of an ECC set-up



Staffing the ECC

- One designated family member will provide all direct patient care and clean the patient area
 - Consider a family member who has recovered from Ebola
- Healthcare facility manages the ECC:
 - 2 triage staff
 - 4 staff (1-2 nurses and 2-3 nurses aids)
 - A mobile lab tech every second day
 - Water and sanitation / cleaners
 - Needs will vary based on the site!



Role of the Supervising Health Care Facility

- Supplies, including PPE
- Core group of trained staff
- Report cases to county officials
- Monitoring and evaluation of IPC and security



Expectations and Training Needs of the Family Care Giver

- Provide food, utensils
- Wash clothes and bedding
- Clean the patient area
- Clean after the patient does poo-poo or pee-pee in the chamber/bucket
- Wash plates and utensils



Equipment and supplies to be provided at the ECC

- Beds/mattresses
- Linen
- Buckets
- Body bags
- <u>Environmental cleaning and</u> <u>management of linen</u>
 - Heavy duty/rubber gloves
 - Detergent
 - Chlorine
 - Cleaning tools
 - Bags for waste disposal
 - Rags and paper towels

- IPC equipment:
 - Hoods, Gloves, Gowns
 - Masks, Face shields
 - Boots, Aprons
 - Hand hygiene supplies:
 - Soap & clean water
 - Alcohol based hand sanitizer
 - Chlorine water
- Basic Medical Kit
 - Thermometer
 - Oral Rehydration Solution
 - Paracetamol
 - Antimalarials and antibiotics



QUESTIONS?

