The outbreak in its tracks and get to zero

Identifying the Response Gap

Limited communications capacity across government, health-care workers, and communities.

Uncomfortable and difficult to use health-care worker protective gear.

Void of rapidly deployable Ebola treatment units that provide comfortable working conditions for health-care workers.

Simplification and safeguarding of patient care and health-care worker safety.

Community education and mobilization.

Information Communication Technology

Health Care Worker Suit

Allowing for faster and more efficient donning or removal. Health-care workers will be able to remove their suits in a fraction of the time needed to wear PPE, significantly reducing the risk of infection.

Re-engineered Health Care Worker Suit

Designed to be more breathable while still providing protection. This protective garment is easier to don and remove.

SPR Barrier Technology

The SPR “Barrier Technology” is a long-lasting, spray-on barrier that creates electro-static fields that kill and repel microbes on treated surfaces.

CARE SETTING & DECONTAMINATION

Rapidly Deployable Ebola Treatment Unit

Uses ultra-efficient building-envelope technology to moderate the temperature of the unit and simplify decontamination efforts—making safer and more comfortable environments for health-care worker and patients.

Remodeled Ebola Treatment Units

This next-generation unit leverages existing technologies to reduce the time needed to decontaminate a patient through the dynamic design allowing for a significant increase in airflow and comfort in ambient temperature.

Decontamination Chambers

State-of-the-art, easy-to-assemble decontamination chambers from TOMI Environmental Solutions can decontaminate health-care workers and equipment in less than 3 minutes to a level of 99.9999% without the use of hazardous chemicals.

Decontamination Highlights

Highlight colorizes standard bleach solutions to allow visualization of disinfected regions and gives bleach the ability to fully cover and adhere to all surfaces, ensuring complete decontamination.

The Future

Innovations can

Stop Ebola Music & Media Campaign

A song, recorded in local languages by twelve of West Africa’s most famous musical artists, promoting communities’ adoption of behaviors that prevent Ebola transmission.

Stop Ebola Stamps

A sensor, which goes on like a band-aid, is both disposable and Bluetooth-enabled; will measure key vital signs remotely including heart rate, respiratory rate, temperature, and oxygen saturation of Ebola patients in Ebola Treatment Units.

Stop Ebola Smart Pod

The Emergency ‘Smart’ Pod serves as an inventive repurposing of easy-to-access shipping containers as scalable, portable Ebola treatment units.

Drip Assist

Shift Labs’ low-cost, battery-powered infusion monitor delivers IV fluids with precision to patients, eliminating the risk of fluid overload. Fluids administered too aggressively can be harmful to patients, especially young children and patients with conditions that predispose them to fluid overload.

Citizen Engagement Platform

Community engagement platform that facilitates two-way communication between public health officials and citizens using basic mobile phones.

Behavior Change

Smart Pod

Health-care worker tools

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