

TREATING EBOLA VIRUS DISEASE (EVD)



THE LONG-TERM IMPACT OF EVD IN GUINEA, LIBERIA AND SIERRA LEONE

- As of May 31, 2015 there were: **27,145** confirmed, probable and suspected cases of EVD and **11,147 deaths**. World Health Organization (WHO)
- Over **5,000** children were infected with EVD and more than **16,000** children lost parents or caregivers. Many infected children face stigmatization. UNICEF
- The World Bank described a **\$500 million (5% of GDP)** loss in the three countries in 2014 and expects around **\$1.6 billion (12% of GDP)** of lost economic growth in 2015
- In April 2015, **75%** of those surveyed in Liberia were concerned about having enough to eat in the previous week. **5 million** children missed seven months of school. Now that schools are open there is a decline in attendance in older children due to school fees and because they have greater income generating potential. The World Bank
- **Post-Ebola syndrome** causes long-term disability. **50%** of survivors suffer from visual problems including blindness. Survivors suffer from joint, muscle and chest pain, headaches and extreme fatigue, making it difficult to take up their former lives. WHO

PREVAIL - PARTNERSHIP FOR RESEARCH ON EBOLA VIRUS IN LIBERIA

PREVAIL I - EBOLA VACCINE TRAIL; PREVAIL II - EBOLA TREATMENT STUDY; PREVAIL III - EBOLA NATURAL HISTORY STUDY

- Four sites in Liberia have undergone renovations and are expected to enroll participants in PREVAIL studies: JFK Hospital; Duport Road Clinic; C.H. Rennie Hospital; and Redemption. SOS and ELWA are also potential sites. There has also been a request from the Liberian Ministry of Health to expand out to additional counties in Liberia to serve more survivors.
- PREVAIL I - Redemption Hospital in Liberia completed enrollment of **1500 participants** on April 30. Since April 15, 73% of the 1194 participants enrolled under version 1.0 have been re-consented to version 2.0. Twenty four participants were targeted to enroll in the blood draw sub-study with **100% participation** in the day 3 and day 10 visits of the sub-study. Study visit **compliance continues at 99%** for week 1, month 1,2 and 4 visits. 36% of participants are female (up from 16% on March 13).
- As of March 24, NIH has invested more than: 84 people; 140 trips; 2,000 staff days; subject matter expertise from 10 NIH Institutes and Centers and Agencies; and countless staff hours in support.

SOCIAL MOBILIZATION IS MISSION CRITICAL



The non-governmental organization Liberia Crusaders for Peace (LCP) (crusadersforpeace.org) has considerable experience in advocacy and social mobilization in West Africa.

LCP is led by Executive Director Juli Endee, who serves as the Culture Ambassador for the Republic of Liberia and was named Traditional Queen of Liberia by the Elders, Chiefs and Zoes of Liberia.

Ambassador Endee is a well-known artist and cultural icon and she has promoted immunization for decades. Since the Ebola outbreak she has released several educational songs to help the largely oral, illiterate populations understand basic prevention behaviors such as not touching someone who is sick, not touching dead bodies, and safe burials.

Communication by song is an accepted, effective, intervention and Amb. Endee is a credible health communicator trusted by large swaths of the population. PREVAIL now has a few songs thanks to the services of Amb. Endee.

REDEMPTION HOSPITAL IN LIBERIA AND PTS-1 HOSPITAL IN SIERRA LEONE



Screening participants for the PREVAIL vaccine study at Redemption Hospital in Liberia



Initial stage of informed consent for Prevail I



Lab Team at Redemption Hospital in Liberia



Team 1 - Freetown, Sierra Leone, April 2015



Preparing infusion of Zmapp (Prevail II) at PTS-1 Hospital Freetown, Sierra Leone



NIAID Deputy Director for Clinical Research and Special Projects H. Clifford Lane, M.D. at discharge ceremony for Prevail II