



Summary

As well as providing local communities with information on Ebola and vaccines, the platform sends reminders to people to get their second 'booster' dose and facilitates the tracking of vaccination coverage. EBODAC is also setting up local training programmes to make sure the communication strategy, and its tools, are ready for deployment in the local setting.

Members of the EBODAC consortium

- London School of Hygiene and Tropical Medicine
- Janssen Pharmaceuticals
- World Vision Ireland
- Grameen Foundation

Reference link: www.imi.europa.eu


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Technologies used
#Java #AngularJS #Spring #jQuery #Chart.js



www.soldevelo.com/contact-us / office@soldevelo.com



EBODAC

tools designed
to promote acceptance
and uptake of new
Ebola vaccines





Overview

The EBODAC project (Ebola vaccine Deployment, Acceptance and Compliance) is developing strategies and tools to promote the acceptance and uptake of new Ebola vaccines, to help the right person receive the right vaccine at the right time.

Challenge

Supporting Ebola vaccine trials in Sierra Leone

EBODAC is supporting clinical trials of Ebola vaccines in Sierra Leone, while simultaneously preparing for the future deployment of a licensed vaccine through a series of linked projects focused on communications, community engagement, and enabling technologies.

- Developing and implementing a Community Engagement Strategy to build awareness and trust, and mechanisms to rapidly respond to any concerns or rumours related to the vaccine trials.
- Developing and implementing identification tools to ensure the right volunteer receives the right dose of vaccine at the right time.
- Implementing mobile phone technology to ensure widespread and timely reach in rural settings and that clinical trial participants remain engaged throughout the study and attend clinic visits.

Case

The EBODAC project was intended to develop a communication strategy and tools to promote the acceptance and uptake of new Ebola vaccines. The resource limitations associated with work in poor, remote areas presented major challenges. In remote locations in Sub-Saharan Africa, lack of electricity and connectivity is a common obstacle. This has a great impact on the types of ICTs that can be used, as electrical power and data transfer are fundamental to their usability. Thus one of the project's most important products is a platform, based on mobile technology, dedicated to Ebola vaccines.

Solution

Working with Grameen Foundation, SolDevelo was responsible for implementing a web application service which involved extensive usage of Interactive Voice Response (IVR) systems and notifications via SMS, in order to facilitate the widespread and timely reach of clinical trial participants.. Later part of EBODAC project introduced vast reporting capabilities for tracking trial participants clinical visits attendance and vaccination coverage. A number of metrics were used to assess the success of the program. Reports greatly affected and improved fact-based decision making about the strategies applied in the project.

EBODAC system leveraged the established e-health MOTECH platform originally developed by Grameen Foundation. By using MOTECH capabilities, the EBODAC platform was able to interconnect with various related platforms, such as IVR, EDC (Electronic Data Capture) system through FTPS (File Transfer Protocol Secure) and biometric recognition system through REST API.