

REPUBLIC OF KENYA



GOVERNMENT OF MAKUENI COUNTY



DEPARTMENT OF HEALTH SERVICES

OFFICE OF THE CHIEF OFFICER HEALTH SERVICES

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A Standard Template for Partner Collaboration

COLLABORATION BETWEEN THE DEPARTMENT OF HEALTH AND ITS PARTNERS IN IMPLEMENTING PUBLIC HEALTH INITIATIVES

Department of Health Project/Program Report Template

Project/Program Title: Vaccibox

Partner Organization: Drop Access Limited

Date Submitted: 27/6/24

1. Background/Overview of the Project/Program:

Drop Access Limited is a woman-led Kenyan company that was established in 2021. The company's mission is to bridge the cold chain gaps, affordably and sustainably for all rural and off grid populations in Kenya.

Drop Access bridges the cold-chain gaps in healthcare by developing, manufacturing and distributing their flagship product Vaccibox: portable and smart solar-powered refrigeration used to store and transport vaccines and other heat- sensitive medical items. The Vaccibox is IoT enabled to promote monitoring and traceability through GSM and WiFi and has been certified by the Kenya Bureau of Standards.

The project objective was to scale Vaccibox use to provide affordable and reliable portable cold-chain for Vaccines and medicines in rural and off-grid sections of Makueni County.

2. Implementation/Intervention Sites/Duration:

- **Sites:** Usungu, Wote, Kajiado, Homabay, Kitui Counties
 - **Duration:** From 2021- Ongoing
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3. Achievements and Impact:

The biggest impact achieved in this process was a better understanding of the healthcare cold-chain market in Makueni which led to iteration of VacciBox to an advanced and robust version.

Since 2021, Vaccibox has reached 250,000 people by serving over 100 rural communities in all the various parts of Kenya. Over 500,000 vaccines and drugs have been stored and administered to rural people previously faced healthcare accessibility challenges, mostly women and children, in Kenya,



4. Challenges:

1. Cultural- Community members and health workers were afraid to use the Vaccibox initially since it was unfamiliar to them.

Mitigation: We trained them on Vaccibox use and maintenance, improving their trust on the technology. We also got endorsement and support from the County Government

5. Associated Publications:

<https://sun-connect.org/how-a-kenyan-startup-is-saving-lives-with-a-solar-powered-vaccination-box/>

<https://en.reset.org/solar-powered-fridges-revolutionise-remote-areas-of-kenyas-vaccine-delivery/>

<https://en.reset.org/solar-powered-fridges-revolutionise-remote-areas-of-kenyas-vaccine-delivery/>

<https://www.euronews.com/health/2022/02/02/how-a-solar-powered-fridge-is-helping-covid-vaccines-reach-the-remotest-areas-of-kenya>

https://www.youtube.com/watch?v=Clw6_CsjwXc

<https://venturesafrica.com/notable-innovations-in-africa-in-2022/>

Additional Notes/Comments:

Drop Access has renewed its relationship with Makueni County through a new MoU, there the partnership intends to equip 100 healthcare facilities in Makueni with a Vaccibox fridge and cold-chain monitoring.

Vaccibox is seeking WHO-PQS Certification and expects to attain it in 2025

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Submission Instructions:

Please submit this report electronically to county.health@makueni.go.ke.

If you have any questions or need assistance, please contact webmaster@makueni.go.ke.

Thank you for your cooperation and contribution to our efforts in promoting health and well-being.