COVID 19 AND THE ADOPTION OF EMERGING TECHNOLOGIES

INTERNET GOVERNANCE FORUM
BICC
31/05/2022
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Introduction

Disruptive technologies—like AI, blockchain, robotics, and 3D printing—are playing a key role in supporting the COVID-19 response and recovery efforts.
Three Key Areas of Intervention

Digital Case-Based Surveillance
- Deploy a clinical monitoring application for COVID case management.
- Deploy a Vaccination Management and Monitoring Platform

Data Analytics
- Integrate other data sources for preparedness and response.
- Refine models and visual access points/tools.

Knowledge Transition & Support
- Build COVID website for public communication and a HCWs Job Aid app for distributing official guidelines, policies, etc.
Key Digital Tools for COVID 19 SUPPORT

1. One Health Surveillance Platform
3. COVID 19 Dashboard
4. Emergency Operations Center/EOC Dashboards
5. COVID 19 Modelling
6. eVaccination Platform
A roadmap to full interoperability consistent with international standards using locally developed open-source software:

- Sustainability and value depend on this structure
- Functioning data exchange between systems = data are related and used in new, meaningful ways for HIV programming
- This architecture allowed us to rapidly deploy digital health tools for COVID-19 response
# Malawi Government

## COVID-19 Vaccination Certificate

**Name:**

**Date Of Birth:**

1972-12-24

### DOSE 1

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Mass Event Dashboard

➢ Shows locations where a lot more people than normal gathered at the same time
➢ Refreshed daily, showing 25 most anomalous events
➢ Tracks where people at the event came from and went to the same day
➢ Answers two questions:
  a. *Where might a mass infection event have occurred yesterday?*
  b. *What other areas are at risk because of it?*
Detecting a Mass Event

- Event at Mzuzu Stadium on 10 May
- Shows clear spike in population in an area that normally has little variation
- Risk profile reflects one-off event
- Can be discovered and responded to quickly
Welcome to the official Malawi Government's Coronavirus (COVID-19) Helpdesk. This service provides the up to date information on the status of COVID-19 in Malawi. I'm Thandizo, your virtual assistant.

Give me your first name so that next time I should remember you.

Congratulations Maganizo, I have registered you successfully.

The following are the options available for COVID-19:

A. National status
B. More about COVID-19
C. Register as a patient
D. Submit your status
E. Get help
F. World statistics
G. Share this service
H. Change language
I. Exit self-service

Tip: You can type A, B, C, D to make a selection of the menu options.
3. COVID 19 Dashboard

- Covid19.health.gov.mw
- Daily updated statistics of COVID 19 Situation in Malawi and Globally
Confirmed Cases Nationwide

- Total Samples Received: 583,336
- Total Samples Tested: 583,336
- MW Districts With Confirmed Cases: 28

Confirmed
- 85,973

Recovered
- 82,860

Active Cases
- 2,640
4. Emergency Operations Center

- Support with setup for the EOC located at PHIM
- Support for data analytics, integration and visualization through the EOC Dashboards
6. Other Technologies

- Already communicated through Health Education Unit
- Facebook
- Twitter
  https://twitter.com/health_malawi
THANK YOU FOR YOUR ATTENTION