

VODAN AFRICA: KENYA-ENTERING MOCK DATA TO FDP

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Structure of the Presentation

1. **GENERAL OVERVIEW OF COVID19 SITUATION IN KENYA**
2. **The part played by the Kenya Government until now**
2. **Challenges brought by lockdowns, distancing**
3. **Contribution of VODAN-Africa to understanding uneven effects and serve data-driven policies:**
 - a). **What is new that VODAN brings compared to before?**
 - b). **How to link FAIR data with current systems in local health centres**
 - c). **Policy Decisions informed by VODAN data driven approach:**
The impact of social distancing around the country; destroyed livelihoods, what are the transformative mitigating factors SDGs 3 on Sustainable health and wellbeing

GENERAL OVERVIEW



- **The population of Kenya 48 million (2019 Census).**
- **Kenya is 580,367 km²**
- **March 13th the Kenya Government announced the lockdown of Nairobi and Mombasa after 2 people tested positive of COVID 19.**
- **Current situation 22nd September 2020 is as follows: infection 36,000, recoveries 25,000 fatalities: 600**
- **Strategy adopted: TIT= test, isolate, treat.**
- **Schools, Colleges, Universities Centres of worship were closed now being opened in piecemeal**



Ministry of Health

COVID -19 UPDATE

12/09/2020

Total Confirmed

35969

Total Recovered

22771

Deaths

619

KEY HIGHLIGHTS

- i. Majorly Asymptomatic clients
- ii. Initial numbers relies on **targeted** and **managing contacts of confirmed positives** , currently with **ongoing mass testing** gives a better picture of the extend of the strategies already in place for **cutting down of virus**.
- iii. Some of Non pharmaceutical Interventions (NPIs):
- iv. **Social distancing**
- v. Working at home/**Staying at home**
- vi. Closure of schools and religious place
- vii. **Minimizing gathering**
- viii. Hand Hygiene stations



- **At Sub-county level**

- i. **Formation of the Rapid Response Team (RRT)**
- ii. **Training a pool of Covid 19 TOTs**
- iii. **Resource Mobilization for response in case of a suspected Covid 19 case and community sensitization**
- iv. **Multi sectorial platforms with different stakeholders and creation of Westlands Disaster team to support RRT like police, mosques/churches/community elders/non-health organizations**
- v. **Identification of isolation and quarantine sites for Covid 19**
- vi. **Specimen collection and transportation to National Public Health Laboratory for testing**
- vii. **Strengthen of the referral systems ,speedy evacuation and contact tracing of cases.**



Community level

- i. Community sensitization on the virus and mode of transmission
- ii. Establishment of hand washing points
- iii. Discouraging gatherings
- iv. Public places disinfection
- v. Encouraging face masks to worn in all the public area
- vi. Educate on good cough/sneezing etiquettes
- vii. Sensitized on social distance and it importance in Covid 19 pandemic
- viii. Temperature check
- ix. Shared contacts of response team member for reporting of any issues.



Q. Why is Virus Outbreak Data Network (VODAN) keen on data Storage?

How does it contribute to national policy formulation?

- **The World Health Organisation (WHO) defines health as 'a state of complete physical, mental and social wellbeing and not merely the absence of disease or infirmity' (WHO, 1948). 'Wellbeing' refers to a positive rather than neutral state, framing health as a positive aspiration.**
- **SDG 3 States : Good health and well-being. Universal health coverage integral to achieving SDG 3, ending poverty and reducing inequalities.**

- **WHO definition helps us to understand when we say 36000 people are infected by COVID 19, 25,000 recovered and 600 fatalities.**
- **It implies, the 36,000 patients affected by Covid 19, have touched the whole nation of 48 million Kenyans.**
- **It means the lockdowns, social distancing have contributed to loss of livelihoods, increased marginalization, fueled ethnicity, discrimination according to gender, enhanced social stigma;**
- **Increased trauma for all people e.g. wearing masks or families who experienced death, those who fell ill and recovered; which are the best coping mechanisms for men, mostly.**
- **Social Challenges like Why domestic violence is on the increase**
- **Child pregnancies on the increase etc.**
- **What are the Consequences of having Learning institutions closed from March 17th 2020 to January 2021.**

FAIR VODAN DATA LINING WITH EXISTING SYSTEMS AND Kenya Government POLICY IMPLICATIONS-

Q. 1.VODAN research is assisting health institutions to store data inspired by FAIR data principles. This is new for most data stewards.

- Ministry of Health uses DHIS2. We cannot replace DHIS2 but find ways of incorporating FDP in their system. This approach would be favourable to MOH**
- USE of URL: Support to health facilities to be trained in data collection, storage, dissemination and control (Zambezi Hospital)**
- The covid19 Data should help us connect with the social wellbeing of society and the health of a nation.**
- Building Collaboration Networks: Tangaza University, St. Paul's Chapel Free Medical Camps (Across Kenya, Amednabad-India; rainbow4Africa in Liverpool UK,Turin-Italy; Chamberlain and Berkeley,USA)**

FAIR Principles

Make your data:

- **F**indable
- **A**ccessible
- **I**nteroperable
- **R**eusable

Findable

- Descriptive metadata
- Persistent Identifiers

Accessible

- Determining what to share
- Participant consent and risk management
- Access status

Interoperable

- XML standards
- Data Documentation Initiative
- CDISC

Reusable

- Rights and licence models
- Permitted and non-permitted use

<http://datafairport.org/>



Data FAIRport

Find, Access, Interoperate & Re-use Data

Q.2. How do we make FAIR data link with existing systems?

- **The FAIR Data Principles are a set of guiding principles in order to make data findable, accessible, interoperable and reusable (Wilkinson et al., 2016)**
- **The weekly workshops by Erick and GO-FAIR Team have been geared towards building the capacity of data stewards and country leads to improve skills on data collection, storage and access tools.**
- **NOW William will demonstrate HOW to use VODAN in the Box to actual data loading for research.**
- **URL: fdp.tangaza.ac.ke**
- **URL for Westlands subcounty? Kamukunji?**

The global community must come together to collaborate, coordinate, share lessons learned, and assist each other to combat the pandemic. Until every country is safe, no country will be safe.

THANK YOU ALL

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