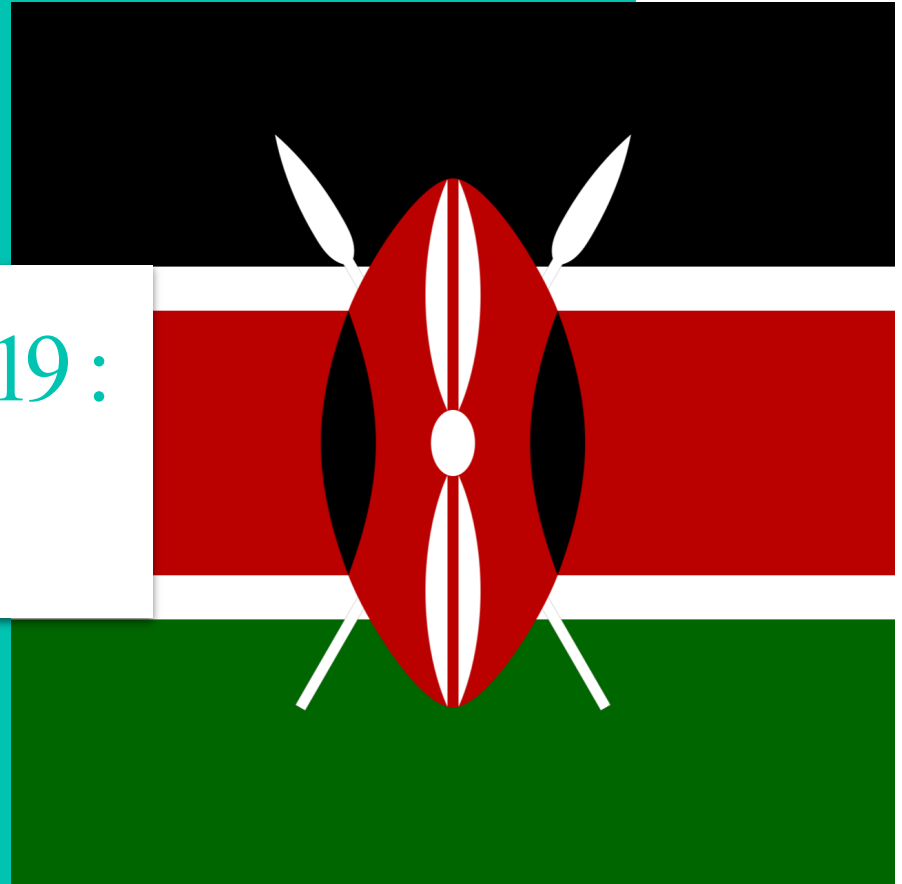


KENYA & COVID-19 :

Response & Preparedness Policy Proposal

Ali Murad Büyüm, Lauren Gibbs,
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Michelle Key, Kaitlin Quick, Abby
Turner, Natalie Vance



CURRENT CASE STATUS AS OF APRIL 8, 2020*

FIRST CONFIRMED CASE



March 12,
2020

TOTAL CONFIRMED CASES



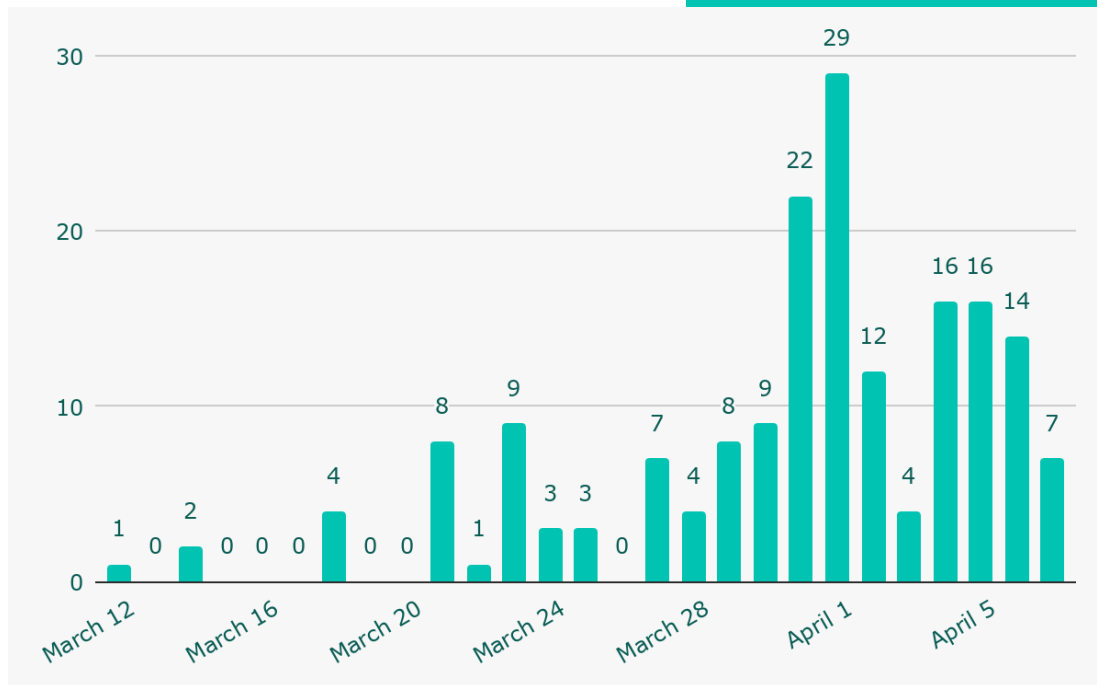
184
infected people

TOTAL DEATHS



8
deaths

NEW CASES BY DAY



*Data Source: [Center for Systems Science and Engineering \(CSSE\) at Johns Hopkins University \(JHU\)](#)

CURRENT SITUATION & RESPONSE



ECONOMIC MEASURES

- Individual & business tax cuts
- \$50 million aid from World Bank



SOCIAL DISTANCING

- Strict curfews and “heavy -handed” police enforcement
- “Mass exodus” from urban centers → internal travel ban



TESTING & TRACING

- Random temp checks
- Select public testing (free)
- Chloroquine use (over the counter ban)
- Isolation centers



PUBLIC SERVICES

- Skype court cases → 4800 prisoners released
- Schools closed
- International travel ban & canceled flights

COVID-19

LOOKING AHEAD: VULNERABILITIES

- **Densely** populated cities & other areas
 - Urban slums
 - Internally displaced persons (IDP) camps
- Large rural population
 - 68% rural
- **WASH** challenges
 - 29% of households lack access to an improved drinking water source
 - 47% of households use non-improved toilet/latrine facilities

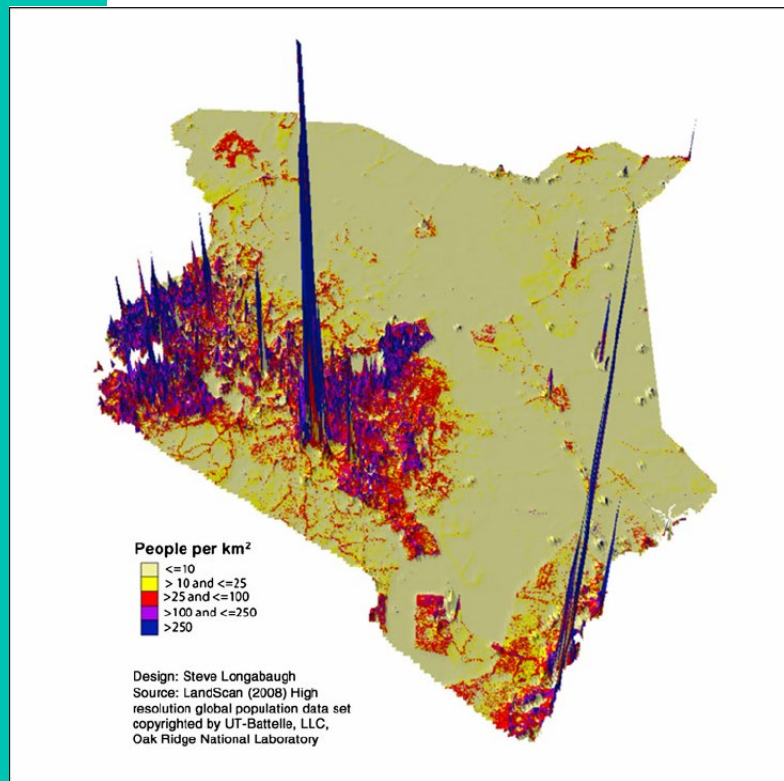


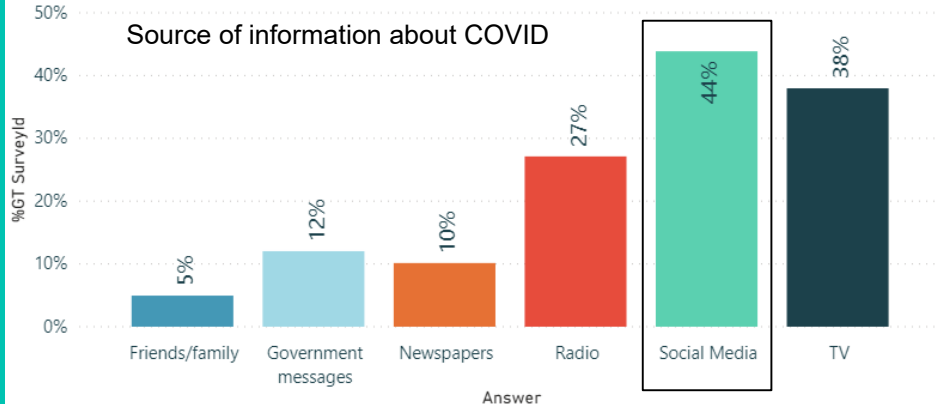
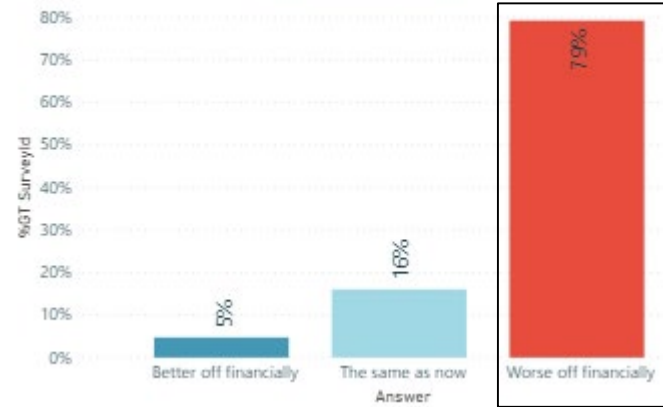
Image source: [Jayne & Muyanga 2012](#)

VULNERABILITIES CONT.

Economic vulnerability:

- Unemployment (9.30%)
- Large informal sector (80%)
- Low gov't spending on health (<7% gov't expenditure)

If coronavirus continues to spread, do you think you and your family will be:



COVID -19 specific:

- Lack of PPE & other critical supplies
- Lack of testing kits
- Insufficient health workforce
- Misinformation about the disease on social media (WhatsApp)

STRENGTHS & ADVANTAGES

- Young population
- Decentralized structure → more nimble, multisectoral approach
- Government has been responsive and swift to act
- Experience preparing for and responding to large-scale infectious disease outbreaks (HIV/AIDS, Ebola)
- Robust detection & reporting, incl. laboratory systems and epidemiological workforce



Image Source: [The Conversation](#) (2019)

PREPAREDNESS ASSESSMENT

Kenya

47.1 Index Score 55/195

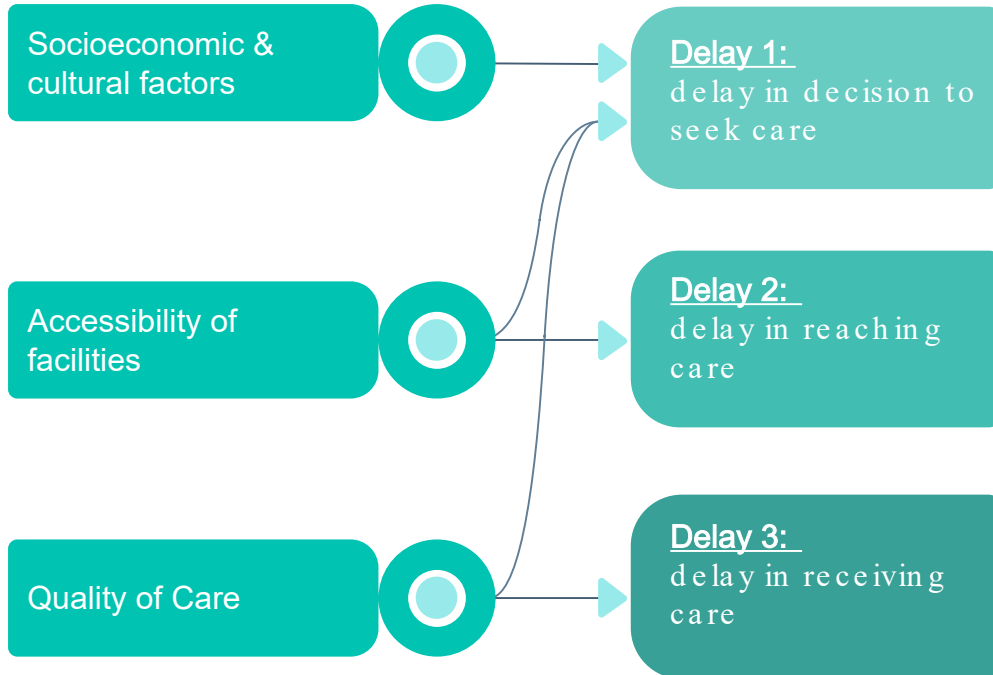


Image Source: 2019 Global Health Security Index

- 47.1/100 score on the Global Health Security Index
 - Ranked most prepared for early detection + reporting for pandemics
 - Ranked least prepared for sufficient & robust health system to treat the sick & protect health workers
- 0.385/1.000 score on Infectious Disease Vulnerability Index
 - Low score = highly vulnerable
 - Health system weaknesses
- JEE report (2017) findings
 - Relatively strong in surveillance
 - Lacking in medical countermeasures, personnel deployment

THREE DELAY FRAMEWORK

Factors affecting utilisation & outcome



- The Three Delay Framework can shed some light on obstacles towards treatment and care for COVID patients.
- This will lead to our key suggestions in this proposal such as improving reach of healthcare practices and implementing training sessions.

POLICY PLAN:

Strengthen Emergency Health
Systems Capacity

1. Develop efficient nationwide distribution of supplies to all 47 counties.
2. Increase the number of trained healthcare workers.
3. Improve communication within and between counties and MoH.



STRENGTHEN WORKFORCE

New Healthcare Workers

- Free mobile CHW training for out of work government employees.
 - Maintain normal govt salary.
- Expedite graduation of current medical & nursing students.
 - Allow students to work in clinics & hospitals most in need for practicum/internship.
- Offer course credit & partial tuition refunds to all students who take CHW & hospital staff jobs.



Image Source: [bloomberg.com](https://www.bloomberg.com)

STRENGTHEN WORKFORCE

Renewed Workforce

- Extend deadlines, and offer more frequent licensure -examinations.
- Remove fees for renewals, licensure examinations, and applications.
- Put a call out and incentivise renewals --specifically nurses:
 - 19,591 nurses working (2012)
 - 51, 649 “ever-registered nurses under 60 years of age” (2017)



Image Source: [Aljazeera.com](https://www.aljazeera.com)

IMPROVE COMMUNICATION AMONG HEALTH WORKERS

- Top-down approach
- Establish one body as primary spokesperson for health workers
 - **Ministry of Health**
- Establish and map out a chain of communication in the health sector

Ministry of Health

District Medical Officers

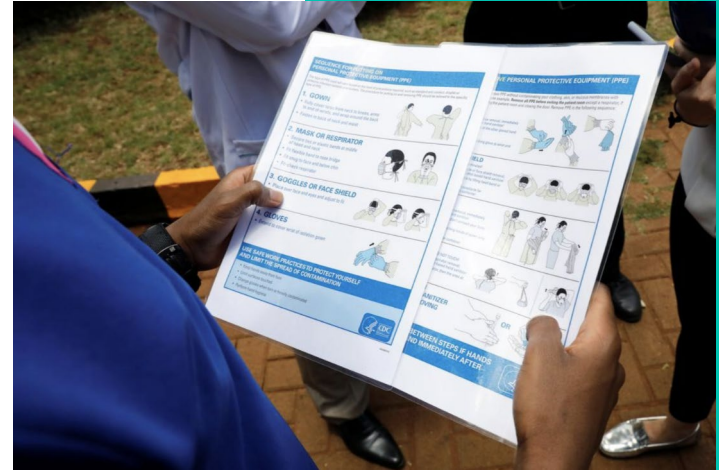
Healthcare management teams

Doctors/ Nurses

Community Health Workers

IMPROVE COMMUNICATION AMONG HEALTH WORKERS

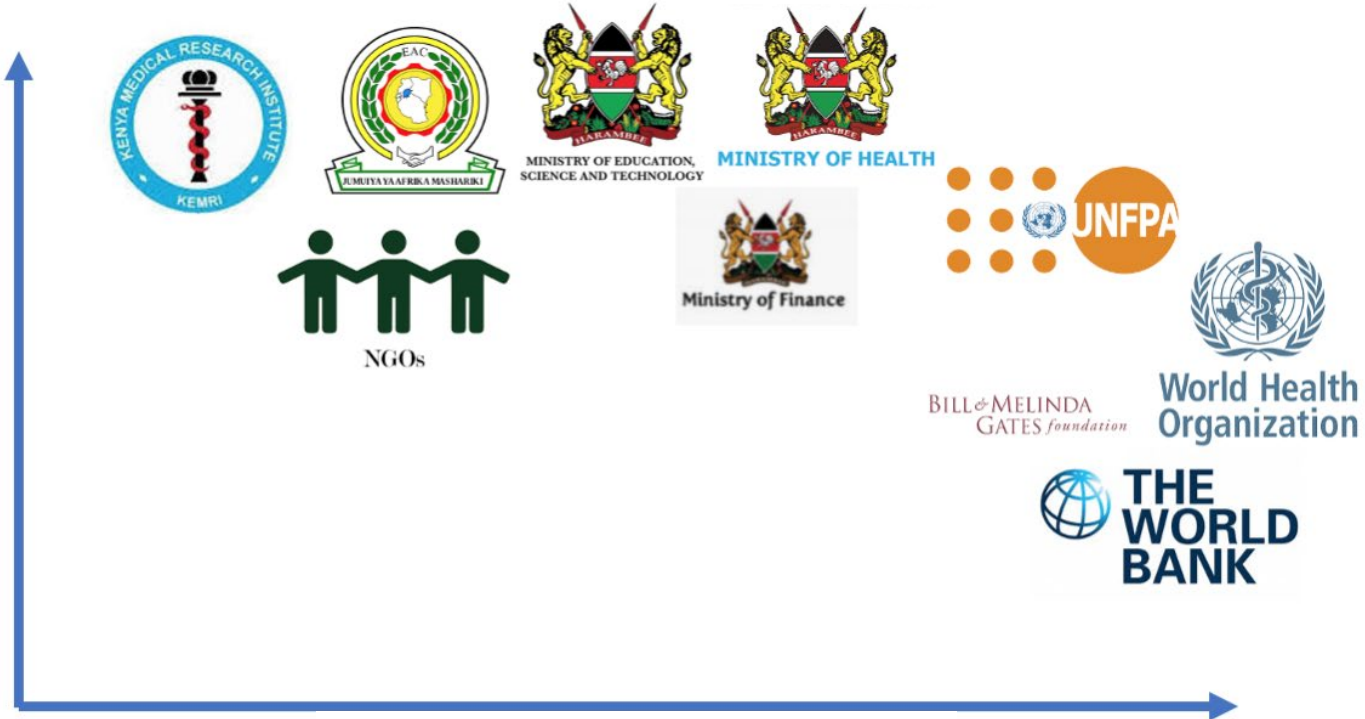
- Form a **Single Overarching Communication Outcome (SOCO)** for health workers
- Develop a **protocol** for delivering messages (mode of communication and time/frequency)



- ***SOCO components:***
 - All health workers should wear full PPE when available
 - Suspected cases should be tested and treated as COVID-19 case
 - Isolate positive patients

FUNDING: SOURCES

INTEREST



INFLUENCE

FUNDING: ALLOCATION



Image Source: [century.co.ke](https://www.century.co.ke)

- **Domestic Funding**
 - Spending shifts
 - Emergency reserves
- **External Funding**
 - World Bank donated \$50 million
 - Africa COVID -19 Response Fund

SUMMARY:

Strengthen Emergency Health
Systems Capacity

1. Develop efficient nationwide distribution of supplies to all 47 counties.
2. Increase the number of trained healthcare workers.
3. Improve communication within and between counties and MoH.

THANKS!



Questions?