#### **Lessons Learned: A Global Perspective**



# Lessons Learned: A Kenyan Perspective

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#### Outline

Background
Kenya's pandemic response
Challenges
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#### FIRST CASE OF CORONAVIRUS DISEASE CONFIRMED IN KENYA

REPUBLIC OF KENYA

The Ministry of Health has confirmed a Coronavirus disease (COVID-19) case in Nairobi. The case, which was confirmed on the 12<sup>th</sup> March 2020, is the first one to be reported in Kenya since the beginning of the outbreak in China in December 2019.

The case is a Kenyan citizen who travelled back to Nairobi returning from the United States of America via London, United Kingdom on the 5<sup>th</sup> March 2020. She was confirmed positive by the National Influenza Centre Laboratory at the National Public Health Laboratories of the Ministry of Health. The patient is clinically stable, and is being managed at the Infectious Diseases Unit at the Kenyatta National Hospital.

The Lady is now stable and behaving quite normally. There is no need for alarm. The Government of Kenya, through the Ministry of Health, continues to strengthen measures to ensure no further transmission of the disease in Kenya. The National Emergency Response Committee on Coronavirus preparedness and response will continue to provide strategic leadership working through whole Government approach to respond to this case in the implementation of mitigation measures.

I wish to assure all Kenyans that we have been beefing up our preparedness capacities since the first confirmed cases in China. The Government will use all the available resources to respond to this case.

The Government has traced all the contacts of the patient since her arrival in Kenya. Kenyans are reminded that most people who become infected may experience only mild illness and recover easily, but the disease can be more severe in others, especially the elderly and persons with other chronic illnesses.

Courtesy: MoH, Kenya

LESSONS LEARNED: A GLOBAL PERSPECTIVE

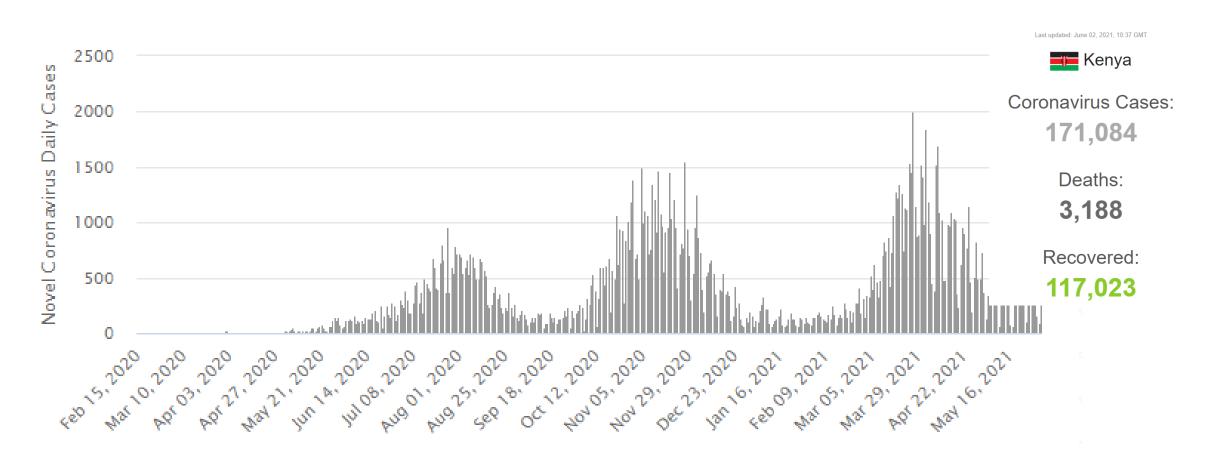
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To edit this sidebar, go to admin backend's

\*Appearance -> Widgets and place widgets into the BlogSidebar Widget Area



# Daily New Cases in Kenya (2<sup>nd</sup> June 2021)



Courtesy: Worldometer

COVID-19

26 Mar 2020 | 05:01 PM UTC

# Kenya: Country confirms first COVID-19 death March 26 /update 9

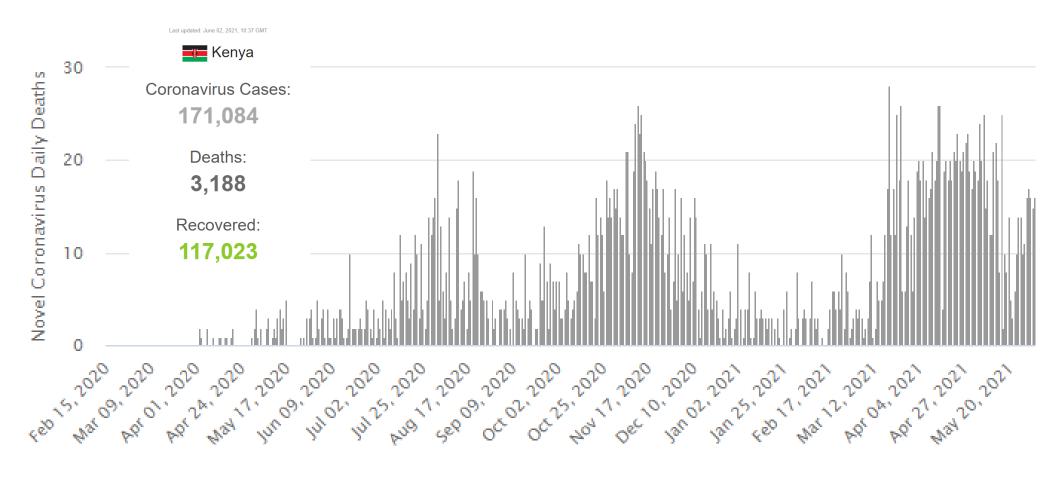


Kenya confirms first COVID-19-related death March 26; further spread of the virus expected

TIMEFRAME expected from 3/26/2020, 12:00 AM until 3/26/2020, 11:59 PM (Africa/Nairobi). COUNTRY/REGION Kenya



# Daily New Deaths in Kenya (2<sup>nd</sup> June 2021)



Courtesy: Worldometer









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# EPIDEMIOLOGICAL AND CLINICAL CHARACTERISTICS OF COVID-19 PATIENTS IN KENYA

Loice Achieng Ombajo, Nyamai Mutono, Paul Sudi, Mbuvi Mutua, Mohammed Sood, Alliy Muhammad Ali Loo, Phoebe Juma, Jackline Odhiambo, Reena Shah, Frederick Wangai, Marybeth Maritim, Omu Anzala, Patrick Amoth, Evans Kamuri, Waweru Munyu, SM Thumbi

**doi:** https://doi.org/10.1101/2020.11.09.20228106

COVID-19

# Results (1)

Time period: March-August 2020

Number studied: 787 COVID-19 patients (6 hospitals)

Median age: 43 years

43% had pre-existing co-morbidities:

CVD (17%)

Diabetes mellitus (15%)

**PLHIV** (7%)

Malignancies (4%)

CKD (3%)

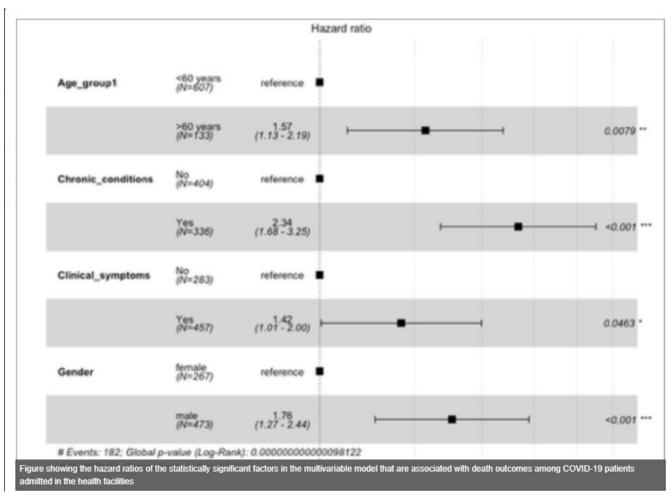
Chronic Airway D'se (3%)

11%-ICU admission.

Ombajo et al, 2020



# Results (2)



Ombajo et. al, 2020

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THE BIG FOUR



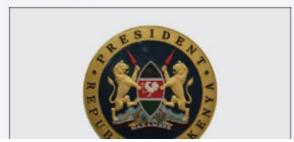
# ADDRESS TO THE NATION BY H.E. UHURU KENYATTA, C.G.H, PRESIDENT OF THE REPUBLIC OF KENYA AND COMMANDER-IN-CHIEF OF THE DEFENCE FORCES ON COVID-19, COMMONLY KNOWN AS CORONAVIRUS AT HARAMBEE HOUSE, NAIROBI ON 15TH MARCH 2020

Two additional cases from index case

On March 15, 2020 In Latest News



Latest News



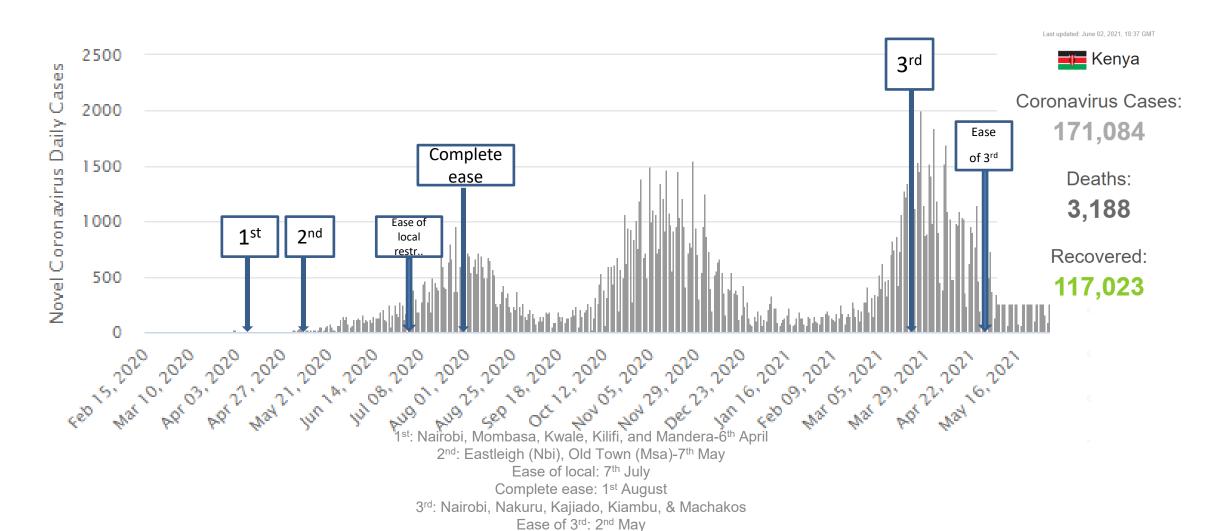


#### Presidential Directive

- 1. Constitution of National Emergency Response Committee (NERC)
- 2. Suspension of travel for all inbound travelers from countries reporting cases
- 3. Kenyans or those with valid residence permits coming in or who came in in the last 14 days to self-quarantine/or quarantine in Government designated facility
- 4. Suspension of learning in Kenyan educational institutions with immediate effect
- 5. Employees encouraged to work from home (55 years and above mandatory)
- 6. Encourage use of cashless transactions
- 7. Minimize crowding.



#### Lockdown evolution







Local language messaging, Use of hashtags





Kenya: Masks Now Mandatory in Public Places, Kenya Declares

















Stella Vuzo/UN News

(file photo).

By Joseph Muraya



5 APRIL 2020





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WHO Africa / Kenya receives COVID-19 vaccines and launches landmark national campaign...

# Kenya receives COVID-19 vaccines and launches landmark national campaign

06 March 2021

## VACCINE ROLLOUT

Kenya this week received the first batch of Astra Zeneca Vaccine, a milestone promise for a better tomorrow following an otherwise difficult year in dealing with the ravages of the COVID-19 pandemic. The 1.02 million doses of the Astra Zeneca-Oxford COVID-19 vaccine, arrived at Jomo Kenyatta International Airport, Nairobi, on Wednesday March 3, 2021 as part of the COVAX facility. This global initiative is working with governments and manufacturers to ensure COVID-19 vaccines are available worldwide to both higher-income and lower-income countries. The vaccines arrived on Qatar Airways flight QR1341, which was met at the airport by Cabinet Secretary for Health Hon Mutahi Kagwe, World Health Organization (WHO) Representative to Kenya, Dr Rudi Eggers, and UNICEF Representative to Kenya, Maniza Zaman.

The AstraZeneca-Oxford vaccine was manufactured by the Serum Institute of India (SII) and made available to the COVAX facility thanks to an advance purchase agreement between Gavi, the Vaccine Alliance and SII. The consignment of 1.02 million doses is part of an initial allocation to Kenya of 3.56 million doses. The vaccines were procured and transported by UNICEF's Supply Division in Copenhagen. In addition, COVAX is providing 1.025.000 syringes and 10.250 safety boxes to the country via a global stockpile funded



Click image to enlarge



# Vaccination Strategy (MoH-Kenya)

- 1. Regulatory preparedness: Approvals within one week
- 2. Planning & coordination: done centrally, with collaboration from county governments
- 3. Funding: Mix (COVAX & Kenyan Govt.)
- 4. Target populations & vaccination strategies: Done in three phases (based on vaccine availability)
- 5. Human resources management & training: Use of existing staff
- 6. Acceptance & uptake: Devt. of communication strategy
- 7. Safety monitoring
- 8. Monitoring & evaluation system.



# Vaccination phases (Mar 2021)-MoH Kenya

Phase 1 (Mar-June 2021)-1.25 million people

- Health care workers
- Frontline workers (teachers, security forces, immigration officials)

Phase 2 (Jul 2021-Jun 2022)-9.76 million people

- Elderly (60 yrs & above
- 18 yrs & above with comorbidities

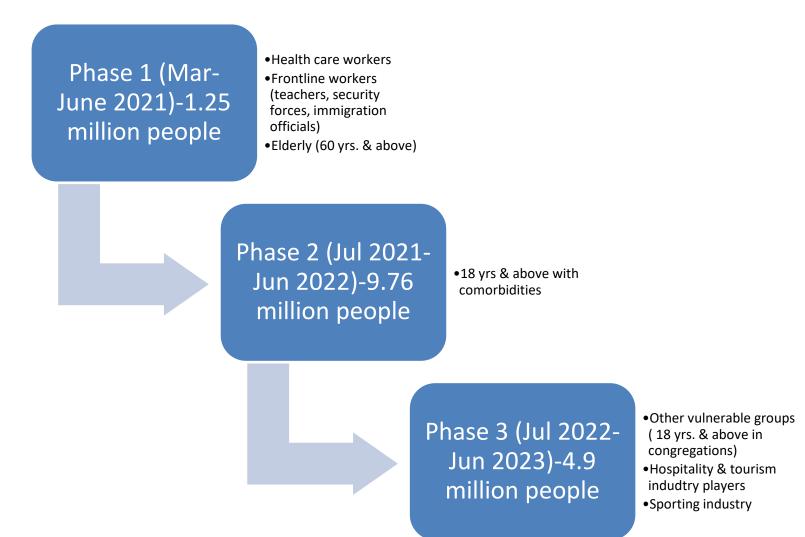
Phase 3 (Jul 2022-Jun 2023)-4.9 million people

- Other vulnerable groups (18 yrs. & above in congregations)
- Hospitality & tourism indudtry players
- Sporting industry

LESSONS LEARNED: A GLOBAL PERSPECTIVE

COVID-19

# Vaccination phases (Apr 2021)-MoH Kenya





# Vaccination phases (May 2021)-MoH Kenya

 Health care workers Phase 1 (Mar- Frontline workers (teachers, security forces, June 2021)-1.25 immigration officials) million people • Elderly (60 yrs. & above) Sporting industry Phase 2 (Jul 2021-Jun 2022)-9.76 million people

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## Nairobi's fight against Coronavirus gets violent



This article is part of the dossier:

Corona Chronicles: 30 March - 3 April

By Morris Kiruga

Posted on Friday, 3 April 2020 12:05

#### **STIGMATIZATION**

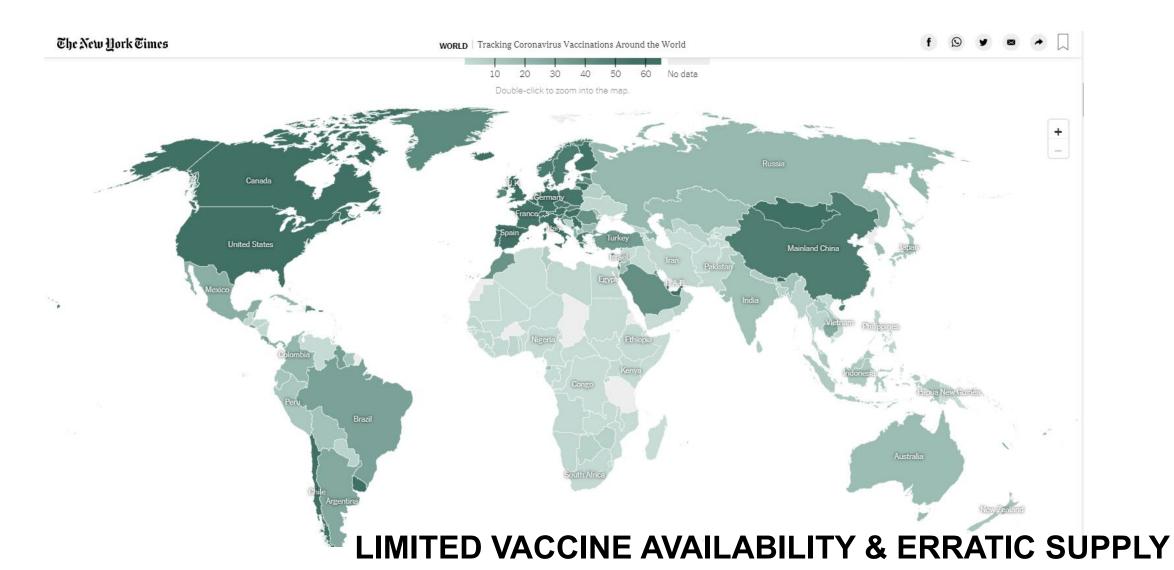


#### Curfew Breakers To Be Quarantined as Govt Gets Tougher in COVID-19 War

By Richard Kamau / Monday, 20 Apr 2020 06:50AM / 0 Comments / Tags: curfew breakers



#### **COVID-19 Vaccination Coverage (Globally)**



#### COVID-19 Vaccination Coverage (HICs)

The New York Times

WORLD | Tracking Coronavirus Vaccinations Around the World

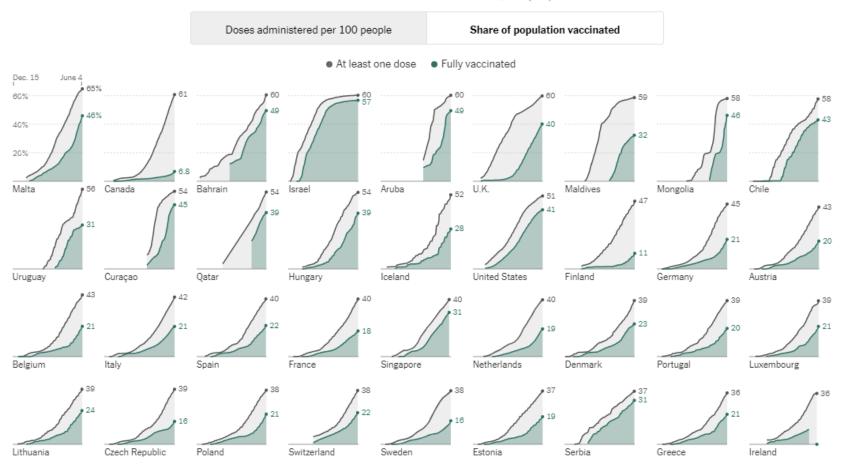






#### Tracking vaccination rates by country

Charts show countries with at least 100,000 people





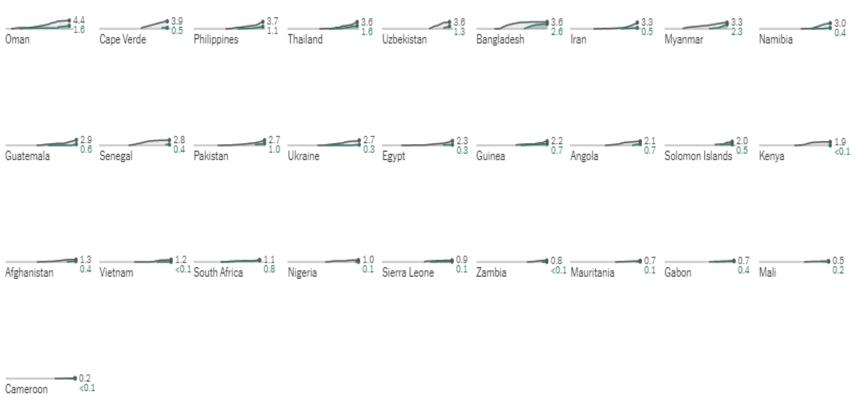
## COVID-19 Vaccination Coverage (LMICs)

The New York Times

WORLD | Tracking Coronavirus Vaccinations Around the World

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COVID-19

# Kenyan health minister says country is now days away from running out of Covid-19 vaccines

By Bethlehem Feleke, Larry Madowo and Saskya Vandoorne, CNN

① Updated 1218 GMT (2018 HKT) May 19, 2021



Kenya's health minister: Africa 'must stop believing' world will help 02:30



## LIMITED TESTING CAPACITY

Week	Total samples tested	Positive tests	Positivity rate
1-7 June	18,804	805	4%
8-14 June	17,996	827	5%
15-21 June	24,676	1,144	5%
22-28 June	25,184	1,332	5%
29 June-5 July	24,067	1,816	8%
6-12 July	26,480	2,219	8%
13-19 July	28,144	3,248	12%
20-26 July	32,528	4,182	13%
27 July-2 August	39,308	4,518	11%
3-9 August	38,004	4,383	12%
10-16 August	37,689	3,684	10%
17-23 August	30,567	2,244	7%
24-30 August	28,163	1,693	6%

Courtesy: MoH-Kenya, 2020



#### POOR WORKING CONDITIONS AND INDUSTRIAL UNREST

HEALTHCARE & PHARMA AUGUST 18, 2020 / 5:51 PM / UPDATED 10 MONTHS AGO

REUTERS

# Dozens of Kenyan doctors strike over lack of PPE, delayed pay

By George Obulutsa	3 MIN READ	f	A
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NAIROBI (Reuters) - Dozens of doctors in at least two of Kenya's 47 counties have gone on strike over delayed salaries, inadequate personal protective equipment (PPE) for handling COVID-19 patients and lack of medical insurance, a union official told Reuters.





# Kenyan doctors mourn death of young colleague from COVID-19

By Edwin Waita 3 MIN READ **f** 

NAIROBI (Reuters) - Kenyan doctors on Wednesday decried the death of a 28-yearold physician from COVID-19 as the latest example of dangerous and unjust working conditions in government hospitals.







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# Why it will be hard to stop Kenyan

politicians this year

#### POLITICS

By Josphat Thiongó | March 14th 2021





Former Machakos Senator Johnstone Muthama addressing Msambweni MP-elect Feisal Abdalla Bader's supporters outside Diani Police Station in Kwale County on Wednesday 16th December 2020.

[Kelvin Karani Standard]



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Has Raila been caught between a rock and a Handshake?

#### POLITICS

By Special Correspondent



WORLD, AFRICA, LATEST ON CORONAVIRUS OUTBREAK

#### **Kenya confirms 5 cases of Indian COVID-19 variant**

All 5 cases imported into country last week before Kenya banned flight to, from India, says Health Ministry

Andrew Wasike | 05.05.2021



**VIRAL VARIANTS** 



# CORRUPTION (\$71.96 M)!

# Kenya anti-graft agency slams procurement of COVID-19 equipment

By Humphrey Malalo 3 MIN READ **f** 

NAIROBI (Reuters) - Kenya's anti-corruption agency has documented evidence of "criminal" behaviour by officials over the procurement of COVID-19 emergency equipment, said a report presented to the Senate.









#### Outline

Background Kenya's pandemic response Challenges

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## Conclusion

- 1) Still a long way to go in pandemic control
- 2) Kenya employing suppression strategy, though with challenges-dependent on affordable testing & vaccine availability
- 3) Global collaboration desperately needed (therapeutic and vaccine research & access).

