



AFRICA- WITHOUT OXYGEN AND LOW VACCINE COVERAGE PROVIDES A Perfect Storm For Mass Fatality

Mosoka P. Fallah, PhD, MPH, MA

Founder/CEO, Refuge Place International

Adjunct Faculty, BU Center for Emerging Infectious Diseases Policy
and Research

"If you DON'T have OXYGEN and you DON'T have a VACCINE, this is like a PERFECT STORM for MASS FATALITY"

Leith Greenslade, the coordinator of the [Every Breath Counts Coalition](#)

Why only my family?
Three together at once
Uncle Tommy, then Aunty Oretha, now Uncle
George Barpeen. God, please take control



Chey God!!!!
Another death again in
my family????



The first of ten(10) children has been taken by the cold hands of death few days after his junior brother was buried.

Too much is an understatement..Lord help us to see this through.

Senior brother Morris M.Yeah has passed. To God be the glory...This is too much Lord.



**LIBERIA:THE SOCIAL MEDIA IS FILLED WITH THESE MASS FATALITY DUE
TO LACK OF OXYGEN AND VACCINE**



LIBERIA-A SINGLE CEMENTARY SHOWS THE MASS FATALITY DUE TO THE LACK OF VACCINE & OXYGEN. FRESH GRAVES WERE DUG ON THURSDAY FOR BURIALS FROM DEATHS ON ONE SATURDAY ALONE

MASS FATALITY ON THE CONTINENT OF AFRICA

- “Africa has recorded a 43% week-on-week rise in the number of COVID-19 deaths.....”.
WHO, JULY, 2021
- 83% of the new deaths recorded in the past week- Namibia, South Africa, Tunisia, Uganda and Zambia
- The average Case Fatality of Africa now stands at 2.9% compare to the global average of 2.2%
- The determining factor for the global reduction are due to COVID-19 vaccines
- “Hospitals in the most impacted countries are reaching a breaking point.” Dr Matshidiso Moeti, Director, WHO AFRO

<https://www.newtelegraphng.com> ,July 15,2021

Vaccines are the solution to not overwhelming already struggling healthcare systems

Number of people vaccinated: 52 million (March 2021-July 2021) → 1.6% of the 3.5 billion people vaccinated worldwide.

Fully vaccinated Africans: Only 18 million → 1.5% compare to 50% (some high income countries)



AFRICA IS RUNNING OUT OF OXYGEN

- **UGANDA**- Oxygen production capacity: 3000 Cylinders/day
 - Covid-19 Demand: 25,000 cylinders/day
 - Vaccine coverage: 2% Population - 44.27 million
- **GHANA**- “Ghana’s critical cases are rising at an alarming rate.”)
 - ‘Covid-19 ICU cases doubling at an alarming rate’ – Coordinator for Severe and Critical Covid-19 cases
 - **Vaccine coverage:** 1 271,393 (405,971 both doses)= 4.2%
 - **Population:** 30.42 million

<https://www.operanewsapp.com/lr/en>
<https://www.npr.org>

LIBERIA

- Total vaccines Coverage- **1%**
- Population: 4.937 million
- **5,381 Cumulative** infections
- **148** Cumulative deaths

SIERRA LEONE

- Total vaccines Coverage- **1.4%**
- Population: 7.813 million
- Total Oxygen Plants: Only 2
- **6,186 Cumulative** infections
- **115** Cumulative coronavirus-related deaths

"We have cylinders here, yes, we need oxygen, but the medium of transfer of oxygen from that cylinder to saving life is **THE REGULATOR.**"

-- Dr. Francis Nah Kateh, Liberian Chief Medical Officer



DHL Regulators from Donors To Refuge Place International University of Kentucky, Friends of Liberia, US Partners

OXYGEN SHORTAGES IN AFRICA ARE ACUTE

“Severely ill COVID patients on the continent [*of Africa*] die at rates far higher than anywhere else in the world.” – PATH

Half of those admitted to intensive care units didn't survive. Why? Only half of hospitalized COVID patients get **ACCESS TO HIGH-FLOW OXYGEN**, the most effective delivery system. Oxygen concentrators are not an option due to the lack of stable electricity.

– NPR, June 24, 2021

VACCINES WORK. In Ghana, COVID-19 vaccines reduce deaths and severity of the disease

- **Ghana- Covid-19: Majority of patients who die have received no vaccines – Infectious Disease Center clinical lead**
- “The persons who have had a single or both doses of covid-19 vaccines have been spares severe illness and deaths.”
- Liberia-Since June,2021, queue up for hours to receive the ever elusive COVID-19 vaccine. Vaccines are not available to these people



Vaccinate Africa to prevent “Mass Fatality”

- It is the moral and ethical thing to do as our humanity is intertwined-we all live, die and experience deep pains and sorrow
- Without an urgent response to provide vaccines for at least 60% of Africans, we will continue to see more deaths
- If Africa is not urgently given vaccine, the continent could be the source of the next source of new variants, and Africa has limited capacity to quickly identify them. We see this with Brazil, South Africa, and India.
- Support **COVAX**, provide excess vaccines, support IP and technology transfer, and work on tiered pricing
- President Joe Biden has initiated the 1 billion doses for COVAX and individual countries